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Pesticides DOCUMENTATION BULLETIN

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Volume 5 Number 3
January 31, 1969

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PESTICIDES DOCUMENTATION BULLETIN

Volume 5
January 31, 1969
Number 3

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The *Pesticides Documentation Bulletin* is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

10 Entomology
20 Crop Protection
30 Livestock Protection
40 Commodity Protection
50 Environmental Contamination
55 Residues
60 Toxicology
65 Plant Physiology & Biochemistry
70 Chemistry
80 Engineering
90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested
Company furnishing the compound
Author or Investigator
Test Sponsor
Date
Location
Mode of Application
Rates of Application
Soil Types
Carriers
Crops or Weeds tested with phytotoxicity ratings
Associated documentation

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ACKNOWLEDGMENT

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Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

PLEASE GIVE COMPLETE BIBLIOGRAPHIC INFORMATION AS IT APPEARS IN THIS PUBLICATION FOR EACH ITEM REQUESTED.

This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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ENTOMOLOGY

1202-69
ON THE COLLECTION AND PREPARATION OF BIRD- AND MAMMAL PARASITES (MALLOPHAGA). (GE)
W Eichler
Entomol Ber 9-13
1967 QL461.E54
Anoplura, Birds, Entomology, Insect collecting equipment, Insect collection, Mallophaga, Mammals, Parasitism, Parasitology.

1203-69
BIBLIOGRAPHY OF THE FAUNISTIC LITERATURE ON MICROLEPIDOPTERA FOR THE AREA OF THE GERMAN DEMOCRATIC REPUBLIC. II. (GE
G Friese
Entomol Ber 113-120 REF
1966 QL461.E54
Bibliography, East Germany, Microlepidoptera, Zoogeography.

1204-69
POSSIBILITIES AND LIMITATIONS IN THE USE OF BARBER TRAPS ON RIVER SHORES. (GE)
B Messner
Entomol Ber 93-100 MAP REF
1967 QL461.E54
Arthropoda, Insect collecting equipment, Insect traps, Larvae.

1205-69
BOLL WEEVIL; ANTHONOMUS GRANDIS BOH.; ABSTRACTS OF RESEARCH PUBLICATIONS, 1961-65.
L L Mitlin N Mitlin
ARS Misc Publ 1092:32P REF
1965 1 AG84M
Agriculture, Anthonomus grandis, Entomology, Insect biology, Pesticides, Research.

1206-69
INFORMATION RETRIEVAL AND FILM FILING SYSTEM FOR BIOLOGICAL RESEARCH.
J P Reinecke
Tex Rep Biol Med 25(3,FALL):334-341
1967 448.8 T31
Entomology, Information retrieval systems, Methodology, Photography.

SYSTEMATICS

1207-69
DESCRIPTION OF A NEW GENUS OF LASIOCAMPIDAE AND OF ITS HOLOTYPE. (LEP. LASIOC. GONOMETINAE). (FR)
Y de Lajonquiere
Soc Entomol France Bull 73(3/4,MAR-APR):68-73
1968 420 F84B
Insect anatomy, Insect identification, Insect taxonomy, Lasiocampidae, Zoogeography.

1208-69
MIDDLE GERMAN LEAF MINER FINDS. PART 2. (GE)
H Ahr
Entomol Ber 77-88
1966 QL461.E54
Agromyzidae, Insect identification, Leaf miners, Plant hosts, Zoogeography.

1209-69
A NEW SPECIES OF NEOTYLOS HENDEL, 1932 (DIPTERA, MICROPEZIDAE). (POR)
L P de Albuquerque
Rev Brasil Biol 28(2):12 -133
Jun 1968 442.8 R326
Insect taxonomy, Micropezidae. English abstract

1210-69
RECORDS AND DESCRIPTIONS OF TIPULIDAE FROM SOUTH AMERICA (DIPTERA). II.
C P Alexander
Sao Paulo Dep Zool Papeis Avulsos 21(8):87-97
1968 410.9 SA63
Diptera, Insect anatomy, Insect identification, Insect taxonomy, Tipulidae. 16 new species of tipulidae were recorded.

1211-69
NOTES ON THE BIOLOGY OF TWO CENTRAL AMERICAN PTINUS (COLEOPTERA: PTINIDAE) WITH A DESCRIPTION OF A NEW SPECIES.
R M Andrews
Psyche 74(3):191-202 REF
Sep 1967 421 P95
Insect biology, Insect taxonomy, Ptinus.

1212-69
A NEW PSEUDANOPHTHALMUS FROM AN EPIGEAN ENVIRONMENT IN WEST VIRGINIA (COLEOPTERA: CARABIDAE).
T C Barr
Psyche 74(2):166-172
Jun 1967 421 P95
Carabidae, Habitats, Insect taxonomy.

1213-69
FURTHER INVESTIGATIONS INTO THE GENUS MEOTICA MULSANT AND REY (COL., STAPHYLINIDAE). (GE)
G Benick
Norsk Entomol Tidsskr 15(2):83-89 REF
1968 421 N812
Catalogs, Insect taxonomy, Staphylinidae.

1214-69
PEROMYSCOPSYLLA HAMIFER HAMIFER (ROTHSCHILD): AN ADDITION TO THE ENTOMOLOGICAL FAUNA OF NEW YORK STATE.
A H Benton
N Y Entomol Soc J 75(3):159-160
Sep 1967 420 N48J
Insect taxonomy, Rodents, Siphonaptera.

1215-69
NEW TAXONOMIC POSITION OF AN AFRICAN CHRYSOMELIDE. (COL.). (FR
N Berti
Soc Entomol France Bull 73(3/4,MAR-APR):61-68 MAP
1968 420 F84B
Chrysomelidae, Insect taxonomy, Zoogeography.

1216-69
THE FRESH-WATER MITES FROM A SMALL POND. (DU)
A J Bessling
Tijdschr Entomol 110(8):183-206 REF
15 Nov 1967 421 T21
Habitats, Hydrachnellae, Insect identification, Insect taxonomy, Seasonal variation, Surveys. German abstract

1217-69
HYDRACHNELLAE OF THE NETHERLANDS XLV. (DU)
A J Bessling
Entomol Ber 27(7):128-131
01 Jul 1967 420 N38B
Hydrachnellae, Insect taxonomy. German abstract.

1218-69
HIGH LOCALIZED BIRD MORTALITY AS A FUNCTION OF HIGH INSECT POPULATIONS.
H L Black C M White
Great Basin Natur 28(4):200
31 Dec 1968 410 G79
Birds, Demography, Mortality, Vanessa cardui.
The high mortality of birds is correlated with the occurrence of large migrating populations of butterflies (Vanessa carduie). The increase in deaths of birds and insects by collision with high speed traffic on highways in Utah is discussed.

1219-69
MISCELLANEOUS STUDIES ON PHORID FLIES. III.
I Borgmeier
Rev Brasil Biol 28(2):167-176 REF
Jun 1968 442.8 R326
Insect taxonomy, Phoridae.

1220-69
A NEW STENOMESIUS (HYM., EULOPHIDAE) REARED FROM CERAMIDIA VIRIDIS IN ECUADOR.
Z Boucek
Entomophaga 7(2):189-192
1962 421 EN835
Bananas, Ceramidia viridis, Eulophidae, Insect pests, Insect rearing, Insect taxonomy, Stenomesius ceramidiae. French summary

1221-69
ANNOTATED LISTING OF WORKS ON LEPIDOPTERA. (FR)
J Bourgogne
Alexanor 5(3):103
21 Sep 1967 421 AL2
Insect taxonomy, Lepidoptera, Reviews, Zoogeography. Continuation. bookreview of : Rufo, s. farfalle , 178p. Milan, Italy, Aldo Martelli, publisher.

1222-69
NOCTUIDAE (LEP.). DESCRIPTION OF 26 NEW PALEARCTIC SPECIES OF NOCTUIDAE TRIFINAE AND OF A NEW SUB-GENUS OF THE SUBFAMILY APATELINAE. CONTRIBUTION NO. 160 TO THE STUDY OF NOCTUIDAE TRIFINAE. (FR)
C Boursin
Entomops (10):43-72
15 May 1968 QL461.E53
Apatelinae, Insect taxonomy, Noctuidae, Zoogeography. For contribution no. 159 see Entomops (9):32, 1967. to be continued.

1223-69
SHORT NOTES ON COLEOPTERA VIII. (DU)
P J Brakman
Entomol Ber 28(6):108-114 REF
01 Jun 1968 420 N38B
Catalogs, Coleoptera, Insect ecology, Insect geography, Zoogeography.

1224-69
TAXONOMIC NOTES ON THE LARVAE OF BRITISH DIPTERA. NO. 27, A REVISED NOTE ON THE SUBFAMILY HEMERODROMINAE (EMPIDIDAE).
A Brindle
Entomologist (london) 102(1269):35-39
Feb 1969 421 EN8
Empididae, Insect taxonomy, Larvae.

1225-69
THE REVISION OF THE TRIBE CHALEPINI OF AMERICA NORTH OF MEXICO. II. GENUS CHALEPUS THUNBERG (COLEOPTERA, CHRYSOMELIDAE).
J G Butte
N Y Entomol Soc J 76(2):117-133 MAP REF
Jun 1968 420 N48J
Chrysomelidae, Insect taxonomy, Zoogeography.

1226-69
DESCRIPTION OF LEPTOTHORAX MONJAUZEI N. SP. FROM ALGERIA. (HYM. FORMICIDAE MYRMICINAE). (FR)
H Cagniat
Soc Entomol France Bull 73(3/4,MAR-APR):83-90
1968 420 F84B
Formicidae, Insect anatomy, Insect biology, Insect identification, Insect taxonomy, Myrmicinae, Zoogeography.

1227-69
CONTRIBUTION TO THE KNOWLEDGE OF THE PALEARCTIC TINEIDS (LEPIDOPTERA, TINEIDAE). (GE)
I Capuse
Entomol Ber 27(6):109-118
01 Jun 1967 420 N38B
Insect taxonomy, Tineidae, Zoogeography.

1228-69
STUDIES ON NORTH AMERICAN CARBONIFEROUS INSECTS. 5. PALAEODICTYOPTERA AND MEGASECOPTERA FROM ILLINOIS AND TENNESSEE, WITH A DISCUSSION OF THE ORDER SYPHAROPTEROIDEA.
F M Carpenter
Psyche 74(1):58-84 REF
Mar 1967 421 P95
Insect geography, Insect taxonomy, Paleoentomology

1229-69
NEOTROPICAL MIRIDAE, CII: ON THE GENUS LAMPSOPHORUS REUTER AND MABELIA KIRKALDY, WITH A DESCRIPTION OF A NEW SPECIES (HEMIPTERA). (POR)
J C M Carvalho P S F Ferreira
Rev Brasil Biol 28(2):207-213
Jun 1968 442.8 R326
Insect taxonomy, Miridae. English abstract

1230-69
SIX NEW SPECIES OF MITES OF THE GENUS AMBLYSEIUS (PHYTOSEIIDAE) FROM PAKISTAN.
W M Chaudhri
Acarologia 10(4):550-562 REF
Dec 1968 434.8 AC1
Amblyseius, Insect taxonomy.

1231-69
TWO NEW SPECIES OF THE GENUS OTIOTHOPS (ARANEAE, PALPIMANIDAE) FROM THE VIRGIN ISLANDS.
A M Chickering
Psyche 74(3):203-207
Sep 1967 421 P95
Araneae, Insect taxonomy.

1232-69
A NEW LOCALITY RECORD FOR IXODES WOODI BISHOPP (ACARINA: IXODIDAE).
J C Cooney K L Hayes
Entomol Soc Wash Proc 70(4):383
Dec 1968 420 W27
Insect taxonomy, Ixodidae, Zoogeography.

1233-69
OBSERVATIONS ON THE GENUS PHEROLIODES. 1.--PHEROLIODES ROBLENSIS N. SP. (ACARINA, ORIBATEI). (FR)
R Covarrubias
Acarologia 10(4):657-695 REF
Dec 1968 434.8 AC1
Insect morpbology, Insect taxonomy, Oribatei. English abstract

1234-69
ON THE TRUE IDENTITIES OF TUOBA AND NESOGEOPHILUS (CHILOPODA: GEOPHILOMORPHA: GEOPHILIDAE).
R E Crabill
Entomol Soc Wash Proc 70(4):345
Dec 1968 420 W27
Chilopoda, Insect identification, Insect taxonomy.

1235-69
ON THE TRUE IDENTITY OF CHOMATOPHILUS WITH DESCRIPTION OF A NEW SPECIES, AND WITH KEY AND CATALOGUE OF ALL SOGONID GENERA (CHILOPODA: GEOPHILOMORPHA: SOGONIDAE).
R E Crabill
Entomol Soc Wash Proc 70(4):323-331
Dec 1968 420 W27
Chilopoda, Insect identification, Insect taxonomy.

1236-69
ANTHOCORIS LIMBATUS FIEBER (HEMIPTERA-HETEROPTERA: CIMICIDAE) IN YORKSHIRE.
R Crossley
Entomologist (London) 101(1267):268
Dec 1968 421 EN8

1237-69
STUDIES ON THE DIPTERA BRACHYCERA FAUNA OF THE SEA SHORES IN NORTH NORWAY.
R Dahl
Norsk Entomol Tidsskr 15(1) 19-27
1968 421 N812
Catalogs, Diptera, Insect ecology, Insect taxonomy, Littoral insects.

1238-69
CONTRIBUTION TO THE FAUNA OF THE CONGO (BRAZZAVILLE). MISSION A. VILLIERS AND A. DESCARPENTRIES. LXXVII. ORTHOPTERA: PYRGOMORPHIDAE AND ACRIDIDAE. (FR)
M Descamps M Donskoff
Inst Fondamental Afr Noire Bull Ser A Sci Natur 30(3):1198-1235
Jul 1968 515 D14
Acrididae, Catalogs, Insect geography, Insect taxonomy, Pyrgomorphidae.

1239-69
MICROLEPIDOPTERA OF THE PHILIPPINE ISLANDS.
A Diakonoff
U S Nat Mus Bull 257:484P
1967 500 SM65B
Illustrations, Insect biology, Insect taxonomy, Microlepidoptera, Surveys, Zoogeography.

1240-69
A PROVISIONAL LIST OF IRISH DOLICHOPODIDAE (DIPTERA).
C E Dyte
Entomologist (London) 102(1269):40-48 REF
Feb 1969 421 EN8
Catalogs, Dolichopodidae, Insect geography.

1241-69
ATTACK BEHAVIOR OF DIGUETID SPIDERS AND THE ORIGIN OF PREY WRAPPING IN SPIDERS.
W Eberhard
Psyche 74(2):173-181
Jun 1967 421 P95
Araneida, Food preservation, Insect behavior, Insect evolution, Insect food, Predaceous insects.

1242-69
THREE NEW SPECIES OF PHYTOSEIID MITES FROM WESTERN SUDAN (ACARINA: PHYTOSEIIDAE).
E A Elbadry
Rev Zool Bot Afr 77(3/4):321-328
28 Jun 1968 410 R326
Acarina, Insect identification, Insect taxonomy, Phytoseiidae, Zoogeography.

1243-69
SUPPLEMENT TO THE KNOWLEDGE OF THE CYCLOCEPHALIDS (COL., DYNASTINAE). (GE)
S Endrodi
Munich Mus G Frey Entomol Arb 18:406-411
01 Jul 1967 420 M923
Catalogs, Dynastidae, Insect taxonomy, Zoogeography.

1244-69
LABIDOSTOMMA NEPALESE (NICOLETIELLIDAE), A NEW ASIATIC SPECIES. (FR)
Z Feider N Vasiliu
Acarologia 10(4):630-644
Dec 1968 434.8 AC1
Acarina, Insect taxonomy. English abstract

1245-69
NOTES ON SOME INSECTS COLLECTED IN AUSTRIA.
J C Felton
Entomologist (London) 102(1268) 17-20
Jan 1969 421 EN8
Catalogs, Formicidae, Insect collection, Insect ecology.

1246-69
REVISION OF THE EPITGINI (COL., TENEBRIDNIDAE). PART I. (GE
H Freude
Munich Mus G Frey Entomol Arb 18 137-307
01 Jul 1967 420 M923
Catalogs, Insect taxonomy, Tenebrionidae, Zoogeography.

1247-69
TWO NEW AFRICAN COPROPHAGIDS AS WELL AS A NEW SYNONOMY (COL., SCARAB.). (GE)
G Frey
Munich Mus G Frey Entomol Arb 18:404-405
01 Jul 1967 420 M923
Insect taxonomy, Nomenclature, Scarabaeidae.

1248-69
BIBLIOGRAPHY OF THE FAUNISTIC LITERATURE ON MICROLEPIDOPTERA FOR THE AREA OF THE GERMAN DEMOCRATIC REPUBLIC. I.
G Friese
Entomol Ber 45-54
1966 QL461 E54
Bibliography, Microlepidoptera, Zoogeography. To be continued.

1249-69
LACE BUGS COLLECTED DURING THE BREDIN-ARCHBOLDSMITHSONIAN BIOLOGICAL SURVEY OF DOMINICA, B. W. I. (HEMIPTERA: TINGIDAE).
R C Froeschner
Great Basin Natur 28(4):161-171
31 Dec 1968 410 G79
Catalogs, Insect taxonomy, Tingidae.

1250-69
A NEW COCCINELLID SPECIES FROM THE IVORY COAST. (GE)
H Fursch
Inst Fondamental Afr Noire Bull Ser A Sci Natur 30(3):1152-1153
Jul 1968 515 D14
Coccinellidae, Insect taxonomy.

1251-69
THE INSECT FAUNA OF SURINAM, AS WELL AS A COMPARISON OF THESE INSECTS WITH THE ODONATA FAUNA OF THE ANTILLES. (DU)
D C Geijskes
Entomol Ber 27(4):69-72
01 Apr 1967 420 N38B
Insect ecology, Insect taxonomy, Odonata, Surveys. English abstract

1252-69
CAUDACHELES, A NEW GENUS IN THE FAMILY CHEYLETIDAE (ACARINA: PROSTIGMATA).
U Gerson
Acarologia 10(4):645-649
Dec 1968 434.8 AC1
Cheyletidae, Insect taxonomy.

1253-69
A REVISION OF THE GROUND BEETLES BELONGING TO SCAPHINOTUS, SUBGENUS BRENNUS (COLEOPTERA, CARABIDAE).
T Gidaspow
Amer Mus Nat Hist Bull 140(3):137-192 MAP REF
20 Dec 1968 500 N483B
Carabidae, Catalogs, Insect taxonomy, Zoogeography.

1254-69
THE MANTODEA OF LAMTO AND THE SAVANNAHS IN THE IVORY COAST. (FR)
Y Gillon R Roy

Inst Fondamental Afr Noire Bull Ser A Sci Natur 30(3):1038-1151 MAP REF
Jul 1968 515 D14
Catalogs, Demography, Insect rearing, Insect taxonomy, Life cycle, Mantidae, Sex ratios, Surveys. English abstract

1255-69
COLEOPTERAN ELATERIDAE NEW TO TROPICAL AFRICA. (FR)
C Girard
Inst Fondamental Afr Noire Bull Ser A Sci Natur 30(3):1154-1168
Jul 1968 515 D14
Catalogs, Elateridae, Insect geography, Insect taxonomy.

1256-69
SYRPHID INVENTORY OF THE HEILOOER COLLECTION. (DU)
V S van der Goot
Entomol Ber 27(7):135-137
01 Jul 1967 420 N38B
Diptera, Syrphidae. English abstract

1257-69
ON THE GENUS CHLOROPEPLA STAL, 1867, WITH A DESCRIPTION OF A NEW SPECIES (HEMIPTERA, PENTATOMIDAE, PENTATOMINAE). (POR
J Grazia
Rev Brasil Biol 28(2):193-206 REF
Jun 1968 442.8 R326
Insect taxonomy, Pentatomidae. English abstract

1258-69
SYMPHEROBIUS ELEGANS STEPH. 1836 (NEUROPTERA, PLANIPENNIA) NEW TO NORWAY.
I. Greve
Norsk Entomol Tidsskr 15(2):114
1968 421 N812
Insect taxonomy, Planipennia.

1259-69
A NEW TECHNIQUE FOR THE RECOVERY OF SPIDER VENOM.
R H Grothaus D E Howell
Kans Entomol Soc J 40(1):37-41
Jan 1967 420 K13
Distilled water, Injections, Insect cages, Mice, Mortality, Research, Spider venom.

1260-69
DIPTERA: EMPIDIDAE, ACALYPTRATAE FAMILIES AND SCATOPHAGIDAE.
W Hackman
Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 34(2):93-98 REF
Jun 1968 421 SU7
Diptera, Drosophilidae, Helcomyzidae, Insect identification, Insect taxonomy, Sphaeroceridae, Zoogeography.

1261-69
NOTES ON THE ARTHROPOD FAUNA OF SPITSBERGEN II. 9. MALLOPHAGA FROM SPITSBERGEN AND BEAR ISLAND.
W Hackman E S Nyholm
Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 34(2):75-82
Jun 1968 421 SU7
Arthropoda, Birds, Insect identification, Insect taxonomy, Mallophaga, Zoogeography.

1262-69
BIBIONIDAE (DIPTERA) OF NEW GUINEA.
D E Hardy
Pacific Insects 10(3-4):443-513
Dec 1968 421 P11
Bibionidae, Insect identification, Insect taxonomy, Zoogeography.

1263-69
A NEW MITE, ACULUS BENAKII N. SP. FROM OLEA EUROPEA L..
E Hatzinikolis
Acarologia 10(4):650-652
Dec 1968 434 8 AC1
Aculus, Insect taxonomy, Olives.

1264-69
THE SECRET FOREST. (FR)
R Hainsman
Paris, Dupuis 95P
1967 QL 49 H3
Forest insects, Wildlife

1265-69
A BIOCENOLOGICAL INVESTIGATION OF SALT MARSHES ON THE SOUTH COAST OF THE ISLE OF TERSCHELLING.
P F van Heerdt W Bongers
Tijdschr Entomol 110(6):107-131 REF
15 Nov 1967 421 T21
Habitats, Insect collection, Insect geography, Insect identification, Surveys.

1266-69
CONTRIBUTION TO THE STUDY OF THE ICHNEUMONIDAE (HYM.) IX.
G Den Hoed
Entomol Ber 27(6):107-108
01 Jun 1967 420 N38B
Ichneumonidae, Insect taxonomy. English abstract.

1267-69
NEOTYPE DESIGNATION FOR AEDES (STEGOMYIA) ALBOPICTUS (SKUSE). (DIPTERA: CULICIDAE).
Y M Huang
Entomol Soc Wash Proc 70(4):297-302
Dec 1968 420 W27
Aedes albopictus, Culicidae, Insect identification, Insect taxonomy, Insect vectors.

1268-69
A NOTE ON THE IDENTITY OF HYLEMYA VARIATA (FALLEN) AND H. VARIABILIS STEIN (DIPTERA: ANTHOMYIIDAE).
H C Huckett
Entomol Soc Wash Proc 70(4):346-347
Dec 1968 420 W27
Anthomyiidae, Insect identification, Insect taxonomy.

1269-69
DISCOLOMIDAE IN MUSEUMS OF AMSTERDAM. (GE)
H John
Entomol Ber 28(10):190-195
01 Oct 1968 420 N38B
Catalogs, Coleoptera, Insect geography, Insect taxonomy, Zoogeography.

1270-69
NOTES ON THE GENUS PLACUSA ERICHSON (COL., STAPHYLINIDAE), WITH A KEY TO THE NORDIC SPECIES.
C Johnson
Norsk Entomol Tidsskr 15(2):90-92
1968 421 N812
Insect morphology, Insect taxonomy, Staphylinidae.

1271-69
HOVERFLIES (DIPT., SYRPHIDAE) FROM SPITSBERGEN.
E Kanervo
Suomen Hyonteistieteellinen Aikakauskir Ann Entomol Fenn 34(2):98-99 REF
Jun 1968 421 SU7
Diptera, Flowers, Fungi, Insect identification, Plants, Syrphidae, Zoogeography.

1272-69
ON THE NORWEGIAN TABANIDAE (DIPTERA). (GE)
H Kauri
Norsk Entomol Tidsskr 15(1):63-64
1968 421 N812
Catalogs, Insect taxonomy, Tabanidae. English abstract

1273-69
NOTES ON THE ODONATA OF THE NETHERLANDS. CROCOTHEMIS ERYTHRAEA (BRULLI, 1832) IN THE NETHERLANDS (LIBELLULIDAE, SYMPETRINAE). (DU)
B Kiauta
Entomol Ber 28(8):156-160 MAP REF
01 Aug 1968 420 N38B
Catalogs, Insect geography, Insect migration, Odonata, Zoogeography. English abstract

1274-69
SOME CORRECTIONS TO THE BRITISH LIST AND OTHER NOTES ON BRITISH FUNGUS GNATS (DIPTERA: MYCETOPHILIDAE).
I. N Kidd D M Ackland
Entomologist (London) 102(1268)22-24
Jan 1969 421 EN8
Catalogs, Insect taxonomy, Mycetophilidae.

1275-69
ONE PREVIOUSLY DESCRIBED AND ONE NEW SPECIES OF SOUTH AMERICAN BRUCHIDAE INJURIOUS TO COMMERCIAL LEGUME SEED CROPS (COLEOPTERA).
J M Kingsolver
Entomol Soc Wash Proc 70(4):318-322
Dec 1968 420 W27
Bruchidae, Crops, Insect pests, Insect taxonomy, Legumes, Plant injuries, Seedlings.

1276-69
TWO NEW SPECIES OF CRAMBUS FABRICIUS FROM WESTERN NORTH AMERICA (LEPIDOPTERA: PYRALIDIDAE).
A B Klots
N Y Entomol Soc J 75(3):154-158
Sep 1967 420 N48J
Insect taxonomy, Pyralidae.

1277-69
THE NORTH AMERICAN MICROCRAMBUS (LEPIDOPTERA: PYRALIDIDAE).
A B Klots
N Y Entomol Soc J 76(1):9-21
Mar 1968 420 N48J
Catalogs, Insect identification, Insect taxonomy, Pyralidae.

1278-69
SELECTION OF A LECTOTYPE OF TETANOCERA ELEGANS COLLIN, 1960 (DIPTERA: SCIOMYZIDAE).
L V Knutson
Entomologist (london) 102(1269):33-34 REF
Feb 1969 421 EN8
Insect taxonomy, Sciomyzidae.

1279-69
STENOBOTHRUS RUBICUNDUS (GERMAR, 1817): AN INVALID NAME (ORTHOPTERA).
G Kruseman C A W Jeekel
Entomol Ber 27(4):78-80 REF
01 Apr 1967 420 N38B
Gryllidae, Insect names, Insect taxonomy, Nomenclature.

1280-69
THE OCCURENCE OF PSOROPHORA CYANESCENS (COQUILLETT), P. HORRIDA (DYAR KNAB) AND P. VARIPES (COQUILLETT) IN DELAWARE.
R W Lake F J Murphey C J Stacheeki
Mosquito News 28(3):470
Sep 1968 421 M85
Insect geography, Psorophora cyaneseens, Psorophora horrida.

1281-69
THE ENITHARES (HEMIPTERA-HETEROPTERA: NOTONECTIDAE) OF THE ORIENTAL REGION.
I Lansbury
Pacific Insects 10(2):353-442 REF
1968 421 P11
Insect taxonomy, Notonectidae.

1282-69
THE SYSTEMATIC POSITION OF ORTHOPHRYS MEXICANUM VAN DUZEE (HEMIPTERA HETEROPTERA: SALDIDAE).
J D Lattin R H Cobben
Entomol Ber 28(7):130-135
01 Jul 1968 420 N38B
Insect geography, Insect morphology, Insect taxonomy, Saldidae, Zoogeography.

1283-69
SOUTH PACIFIC SYMPHYPLEONA (COLLEMBOLA).
P N Lawrence
Pacific Insects 10(2):325-340
1968 421 P11
Australian Region, Collembola, Insect taxonomy.

1284-69
GROUND INHABITING ACULEATA FROM DUTCH AND BELGIAN AREAS . IN 1965 AND 1966. (DU)
V Lefeber
Entomol Ber 27(7):138
01 Jul 1967 420 N38B
Aculeata, Hymenoptera. English abstract

1285-69
OLIGIA FASCIUNCULA HISPANICA, SUBSP. NOV. (LEP., NOCTUIDAE). (GE)
B J Lempke
Entomol Ber 27(7):139-140
01 Jul 1967 420 N38B
Insect taxonomy, Noctuidae, Oligia, Zoogeography.

1286-69
FURTHER RECORDS OF NEW JERSEY APHIDS (HOMOPTERA: APHIDIDAE).
M D Leonard
N Y Entomol Soc J 75(2):77-92
Jun 1967 420 N48J
Aphididae, Insect ecology, Insect taxonomy, Surveys, Zoogeography.
A list of 93 aphids from New Jersey is given, including source localities, dates of collection and host plants.

1287-69
ECOLOGICAL AND MORPHOLOGICAL STUDY OF ROBBER FLIES OF THE TRIBE ASILINI (DIPTERA, ASILIDAE) WITH DESCRIPTIONS OF NEW GENERA AND SPECIES FROM KAZAKHSTAN AND SOVIET CENTRAL ASIA.
P A Ler
Entomol Rev 46(2 APR-JUN):232-241
1967 421 R322AE
Asilidae, Diptera, Insect ecology, Insect morphology, Insect taxonomy. Translated from Russian. description of 13 new species and 4 new genera

1288-69
ACRIDOLOGICAL EXCURSION IN EL JUNCAL VALLEY OF THE NEGRO RIVER. (SP)
J Liebermann
Soc Cien Argentine An 184(1-2,JUL-AUG):3-11
Aug 1967 516 SO1
Acrididae, Catalogs, Surveys. English abstract

1289-69
NEW CHRYSOMELID SPECIES FROM PAKISTAN (COL., CHRYSOMELIDAE). (GE)
I Lopatin
Munich Mus G Frey Entomol Arb 18:323-326
01 Jul 1967 420 M923
Chrysomelidae, Insect taxonomy.

1290-69
A REVIEW OF THE TAXONOMY AND MORPHOLOGY OF THE BEROTHIDAE, WITH THE DESCRIPTION OF A NEW SUBFAMILY FROM CHILE (NEUROPTERA).
E G MacLeod P A Adams
Psyche 74(3):237-265 REF
Sep 1967 421 P95
Catalogs, Insect evolution, Insect geography, Insect morphology, Insect taxonomy, Neuroptera.

1291-69
A STUDY OF THE TYPHLOCYBINE GENERA OF THE ORIENTAL REGION (THAILAND, THE PHILIPPINES AND ADJOINING AREAS).
S H Mahmood
Pacific Insects Monogr (12):1-52 REF
01 Mar 1967 421 P11 SUPPL
Catalogs, Cicadellidae, Insect taxonomy.

1292-69
TWO EUPHTHIRACARID SPECIES FROM THE TIEN SHAN AND ALTAI MOUNTAINS (ACARI, ORIBATEI). (GE)
K Markel
Acarologia 10(4):725-732
Dec 1968 434.8 AC1
Insect taxonomy, Oribatei.

1293-69
MICROARTHROPODS FROM TWO QUEBEC WOODLAND HUMUS FORMS. II. THE COLLEMBOLA.
V G Marshall
Entomol Soc Quebec Ann 12(3):166-181 REF
Sep 1967 420 EN822
Collembola, Forest soils, Habitats, Insect geography, Insect identification, Soil insects.

1294-69
NOTES ON COLEOPTERA XI. (COMMENTS ON THE GENUS HETEROPELIDNOTA OHAUS, WITH A DESCRIPTION OF A NEW SPECIES (COL. SCARABAEIDAE, RUTELINAE). (SP)
A Martinez
Soc Cien Argentine An 183(5-6,MAY-JUN):145-154
Jun 1967 516 SO1
Catalogs, Insect taxonomy, Reproductive organs, Scarabaeidae. English abstract

1295-69
THE GENERA ATHLIA ERICHSON (COL. SCARABAEIDAE, SERICINAE). (SP)
A Martinez
Munich Mus G Frey Entomol Arb 18:327-373 REF
01 Jul 1967 420 M923
Catalogs, Insect taxonomy, Scarabaeidae, Zoogeography.

1296-69
THE GENUS CHIRODISCUS TROUESSART AND NEUMANN WITH LECTOTYPE DESIGNATION OF C. AMPLEXANS TROUESSART AND NEUMANN (LISTROPHOROIDEA: ATOPOMELIDAE).
B McDaniel
Acarologia 10(4):653-656 REF
Dec 1968 434.8 AC1
Acarina, Insect ecology, Insect taxonomy.

1297-69
NEW RECORDS OF FLEAS FROM NORWAY.
R Mehl
Norsk Entomol Tidsskr 15(1):70
1968 421 N812
Catalogs, Insect taxonomy, Siphonaptera.

1298-69
CONTRIBUTION TO THE STUDY OF THE GENUS PARALUCILIA BRAUER AND BERGENSTAMM, 1891 (DIPTERA, CALLIPHORIDAE). (POR
R P de Mello
Rev Brasil Biol 28(2):177-192 REF
Jun 1968 442.8 R326
Calliphoridae, Catalogs, Insect geography, Insect taxonomy. English abstract

1299-69
DISCOVERY OF TWO SPECIES OF DIPLAZON FROM NEW GUINEA (HYMENOPTERA: ICHNEUMONIDAE).
S Momoi A Nakanish
Pacific Insects 10(2):341-343
1968 421 P11
Ichneumonidae, Insect taxonomy.

1300-69
NEW OR LITTLE KNOWN AUSTRALIAN CARABIDAE IN THE FREY MUSEUM (COL.).
B P Moore
Munich Mus G Frey Entomol Arb 18:308-322
01 Jul 1967 420 M923
Carabidae, Catalogs, Insect taxonomy.

1301-69
THE VALUE OF OVIPOSITIONAL ABILITY IN TICK TAXONOMY.
S K Nagar
Acarologia 10(4):614-620 REF
Dec 1968 434.8 AC1
Dermacentor variabilis, Insect taxonomy, Oviposition, Rhipicephalus sanguineus.

1302-69
THE GENUS INOPUS (OMETOPONIA, ALTERMETOPONIA) (DIPTERA: STRATIOMYIADE).
A Nagatomi J Yukawa
Pacific Insects 10(3-4):521-528
Dec 1968 421 P11
Insect taxonomy, Stratiomyidae, Zoogeography.

1303-69
MESOSYRPHUS NIGRITARSIS (ZETT.) (DIPT., SYRPHIDAE) A NEW SPECIES TO THE DUTCH FAUNA. (DU)
H J G Neuffels
Entomol Ber 28(8):155
01 Aug 1968 420 N38B
Insect geography, Insect taxonomy, Syrphidae. English abstract

1304-69
STILBIA ANOMALA HW. NEW FOR SCANDINAVIA. (LEP., NOCTUIDAE). (NO)
A Nielsen
Norsk Entomol Tidsskr 15(1):18
1968 421 N812
Insect taxonomy, Norway. English abstract

1305-69
NEOLASIOPTERA MARTELLI SP. N., A GALL MIDGE INJURING AGAVE IN MEXICO.
W Nijveldt
Entomol Ber 27(7):125-127
01 Jul 1967 420 N38B
Agave, Cecidomyiidae, Insect taxonomy, Neolasioptera martinelli.

1306-69
NEW SPECIES OF HORSE FLIES (DIPTERA, TABANIDAE) FROM PALAEARCTICA.
N G Olsuf'yev
Entomol Rev 46(2 APR-JUN):225-231
1967 421 R322AE
Diptera, Insect identification, Insect taxonomy, Tabanidae, Zoogeography. 12 new species are listed. translated from Russian.

1307-69
CALAMEUTA FILIFORMIS (EVERSM.) A FORGOTTEN STRAW WASP (HYM., CEPHID.). (DU)
S J van Ooststroom
Entomol Ber 28(8):142-143
01 Aug 1968 420 N38B
Cephidae, Insect geography, Zoogeography. English abstract

1308-69
RARE OR LITTLE KNOWN COLEOPHORES (LEP. COLEOPHORIDAE). (GE
H Patzak
Entomol Ber 125-129
1967 QL461.E54
Coleophoridae, Insect identification, Insect taxonomy, Zoogeography. 15 species are listed.

1309-69
A NEW SYNONYMY IN HYBOMITRA (DIPTERA: TABANIDAE).
L L Pechuman A Stone

Entomol Soc Wash Proc 70(4):302
Dec 1968 420 W27
Insect identification, Insect taxonomy, Nomenclature, Tabanidae, Zoogeography.

1310-69
THE ARADIDAE OF NEW ZEALAND (HEMIPTERA, HETEROPTERA). III--THE ARADINAE AND CALISIINAE.
J G Pendergrast
Roy Soc New Zeal Trans Zool 10(10):81-88
22 Jan 1968 514 W46TZ
Hemiptera, Insect taxonomy, Zoogeography.

1311-69
NEW AND MISTAKEN APHODIINAE FROM ALL OVER THE WORLD (COL., SCARAB.). PART V. (GE)
K Petrovitz
Munich Mus G Frey Entomol Arb 18:388-403
01 Jul 1967 420 M923
Catalogs, Insect taxonomy, Scarabaeidae, Zoogeography.

1312-69
NEW ACANTHOCERINAE, HYBOSORINAE AND OCHODAEINAE (SCARAB., COL.).
R Petrovitz
Munich Mus G Frey Entomol Arb 18:425-431
01 Jul 1967 420 M923
Catalogs, Insect taxonomy, Scarabaeidae.

1313-69
A REVISED INTERPRETATION OF THE PROCTIGER OF MALE URANOTAENIA WITH A RELATED NOTE ON HODGESIA (DIPTERA: CULICIDAE).
E L Peyton R H Hochman
Entomol Soc Wash Proc 70(4):376-382 REF
Dec 1968 420 W27
Culicidae, Insect anatomy, Insect identification, Insect taxonomy, Uranotaenia.

1314-69
GENERA AND SPECIES OF THE DERMAPTERA. 6. LABIDURINAE, APACHYINAE AND ALLOSTETHINAE (LABIDURIDAE).
E J Popham A Brindle
Entomologist (london) 101(1260):105-108
May 1968 421 EN8
Catalogs, Insect taxonomy, Labiduridae, Zoogeography.

1315-69
COLEOPTERA FROM NORTHEAST AFRICA. STAPHYLINIDAE. (50. CONTRIBUTION TO THE KNOWLEDGE OF THE STENINAE). (GE)
V Puthz
Notulae Entomol 48(2):81-89 MAP
1968 421 N84
Catalogs, Insect taxonomy, Staphylinidae, Zoogeography.

1316-69
CONCERNING STENUS-TYPE BOHEMAN, INCLUDING NOTES ON SYNONYMIES. COLEOPTERA, STAPHYLINIDAE. (GE)
V Puthz
Arkiv Zool 19(2-3):291-296
1967 410.9 SV22
Insect taxonomy, Staphylinidae, Zoogeography.

1317-69
CHRYSOCARABUS SPLENDENS AMMONIUS NAJACENSIS SR. NOVA (COL. CARABIDAE). (FR)
P Raynaud
Entomops (10):37-41
15 May 1968 QL461.E53
Carabidae, Chrysocarabus splendens, Insect taxonomy.

1318-69
THE TYPE OF THE GENUS ODYNERUS LATREILLE (HYMENOPTERA, VESPOIDEA).
O W Richards J van der Vecht
Entomol Ber 28(10):196-197 REF
01 Oct 1968 420 N38B
Insect taxonomy, Vespidae.

1319-69
UNDESCRIBED FOSSIL INSECTS FROM THE UPPER PERMIAN OF BELMONT, NEW SOUTH WALES.
E F Riek
Aust Mus Rec 27(15):303-310 REF
27 Nov 1968 514 AU7
Insect taxonomy, Paleoentomology.

1320-69
A NEW GENUS OF PARASITIC TACHINID FLIES (DIPTERA, TACHINIDAE) FROM SOVIET CENTRAL ASIA.
V A Rikhter
Entomol Rev 46(2 APR-JUN):281-282
1967 421 R322AE
Diptera, Insect taxonomy, Tachinidae. Translated from Russian.

1321-69
PALEARCTIC SPECIES OF THE GENUS SPHENOMETOPA (DIPTERA, SARCOPHAGIDAE).
B B Rodendorf
Entomol Rev 46(2 APR-JUN):264-273
1967 421 R322AE
Diptera, Insect anatomy, Insect taxonomy, Palearctic Region, Sarcophagidae. Translated from Russian. the author lists many species.

1322-69
SIMULIIDAE OF ITALY. (IT)
J A Rubzov
Soc Entomol Ital Mem 46(2):127-180 REF
1967 420 IT1M
Catalogs, Insect geography, Insect taxonomy, Simuliidae. English abstract

1323-69
THE GENUS POECILOPSYCHE N. GEN. (TRICHOPTERA, LEPTOCERIDAE). (FR)
F Schmid
Entomol Soc Quebec Ann 13(1):3-31
Jan 1968 420 EN822
Catalogs, Insect evolution, Insect taxonomy, Trichoptera. English abstract

1324-69
THE FAMILY ARCTOPSYCIDAE (TRICHOPTERA). (FR)
F Schmid
Ent Soc Quebec Mem (1):4-84 REF
Feb 1968 QL461.E56
Insect evolution, Insect geography, Insect morphology, Insect taxonomy, Trichoptera.

1325-69
SNELLENIUS IN THE NEOTROPICAL REGION (HYMENOPTERA: BRACONIDAE: MICROGASTERINI).
R D Shenefelt
Entomol Soc Wash Proc 70(4):339-345
Dec 1968 420 W27
Braconidae, Insect taxonomy, Zoogeography.

1326-69
THE CLASSIFICATION OF SMERINTHUS. (FR)
M Van der Sloot
Lambillionea 66(11/12):96-98
25 Dec 1967 420 N15
Bombyx, Insect taxonomy, Smerinthus, Sphingidae.

1327-69
STUDIES ON CALIFORNIA ANTS. 4. TWO SPECIES OF CAMPONOTUS (HYMENOPTERA: FORMICIDAE).
R R Snelling
Entomol Soc Wash Proc 70(4):350-358 REF
Dec 1968 420 W27
Formicidae, Insect taxonomy, Research.

1328-69
A REVIEW OF HADRURUS SCORPIONS (VEJOVIDAE).
H L Stahnke
Entomol News (philadelphia) 80(3):57-65
Mar 1969 421 EN88
Insect taxonomy, Scorpionida, Zoogeography.

1329-69
NASONOVIA VANNESII N. SP. (HOMOPTERA, APHIDIDAE) ON RIBES X CULTORUM.
C Stenseth
Norsk Entomol Tidsskr 15(2):111-113
1968 421 N812
Aphididae, Currants, Insect pests, Insect taxonomy, Nasonovia vannesii, Zoogeography.

1330-69
A NEW MOSQUITO RECORD FOR THE UNITED STATES (DIPTERA: CULICIDAE).
A Stone
Entomol Soc Wash Proc 70(4):384
Dec 1968 420 W27
Culicidae, Zoogeography.

1331-69
SOME NOTES ON THE SPECIES AUTHORIZATION OF AMISCHA SARSI MUNST. AND THE SEX CHARACTERISTICS OF AMISCHA CAVIFRONS SHARP (COL., STAPHYLINIDAE). (GE)
A Strand
Norsk Entomol Tidsskr 15(2):139-140
1968 421 N812
Insect taxonomy, Reproductive organs, Staphylinidae.

1332-69
GYROPHAENA KEENI CASEY AND G. ORIENTALIS A. STR. (COL., STAPHYLINIDAE).
A Strand
Norsk Entomol Tidsskr 15(1):35-36
1968 421 N812
Insect taxonomy, Staphylinidae, Zoogeography.

1333-69
TETROPS STARKI CHEVR., A NEW SPECIES FOR NORWAY (COL., CERAMBYCIDAE). (NO)
A Strand
Norsk Entomol Tidsskr 15(1):47-48
1968 421 N812
Cerambycidae, Insect taxonomy. German abstract

1334-69
ON A NEW NORWEGIAN SPECIES OF THE GENUS ATHETA THS. (COL., STAPHYLINIDAE). (NO)
A Strand
Norsk Entomol Tidsskr 15(1):61-62
1968 421 N812
Insect taxonomy, Staphylinidae. German abstract

1335-69
A NEW SPECIES OF HIRSTIONYSSUS FROM TAIWAN (MESOSTIGMATA: LAELAPIDAE.
R W Strandtmann
Pacific Insects 9(4):687-691
20 Nov 1967 421 P11
Insect taxonomy, Mesostigmata, Surveys.

1336-69
ACROTRICHIS INSULARIS (MAKLIN, 1852) (COL., PTILIIDAE) DESIGNATION OF LECTOTYPE AND REDESCRIPTION.
E Sundt
Norsk Entomol Tidsskr 15(1):75-77
1968 421 N812
Coleoptera, Insect taxonomy.

1337-69
STUDIES ON NORWEGIAN APHIDS (HOM., APHIDOIDEA) I. THE SUBFAMILY DACTYNOTINAE BORNER.
H Tambs-Lyche
Norsk Entomol Tidsskr 15(1):1-17 MAP REF
1968 421 N812
Aphididae, Catalogs, Insect taxonomy, Zoogeography.

1338-69
MUSCIDAE (DIPT.) OF SPITSBERGEN.

L Tiensuu
Suomen Hyonteistietoellinen Aikakauskir Ann Entomol Fenn 34(2):99-104 REF
Jun 1968 421 SU7
Diptera, Insect identification, Insect taxonomy, Zoogeography

1339-69
DISTRIBUTIONAL NOTES ON METAMASIUS (COLEOPTERA: CURCULIONIDAE).
P Vaurie
N Y Entomol Soc J 76(1):32-33
Mar 1968 420 N48J
Curculionidae, Demography, Neotropical Region, Zoogeography
The geographical distribution of six tropical species of Metamasius is discussed.

1340-69
PRELIMINARY KEY FOR THE IDENTIFICATION OF THE NYMPHS OF NORTH EUROPEAN HOMOPTERA CICADINA. I. DELPHACIDAE.
J Vilbaste
Suomen Hyonteistietoellinen Aikakauskir Ann Entomol Fenn 34(2):65-74 REF
Jun 1968 421 SU7
Delphacidae, Homoptera, Insect identification, Insect taxonomy, Zoogeography.

1341-69
CONCERNING THE DESCRIPTION OF WEST AFRICAN HEMIPTERA. (FR)
A Villiers
Inst Fondamental Afr Noire Bull Ser A Sci Natur 30(3):1281-1285
Jul 1968 515 D14
Catalogs, Hemiptera, Insect taxonomy.

1342-69
HEMIPTERAN REDUVIIDAE AND PACHYNOMIIDAE FROM THE TCHAD REGION. (FR)
A Villiers
Inst Fondamental Afr Noire Bull Ser A Sci Natur 30(3):1169-1187
Jul 1968 515 D14
Catalogs, Insect geography, Insect taxonomy, Reduviidae.

1343-69
SOME SUPPLEMENTARY DATA ON WOLF SPIDERS IN THE NETHERLANDS (HRANEAE, LYCOSIDAE). (DU)
L Vlijm A Kessler A M Kessler-Geschiere
Entomol Ber 28(8):152-154
01 Aug 1968 420 N38B
Catalogs, Insect behavior, Insect ecology, Insect taxonomy, Lycosidae. English abstract

1344-69
ADDITIONAL DATA ON SOME GENERA AND SPECIES OF ACRIDIDAE (ORTHOPTERA, ACRIDOIDEA) FROM THE INDO-MALAYAN REGION.
F Willemse
Tijdschr Entomol 110(12):381-397 REF
30 Dec 1967 421 T21
Acrididae, Insect geography, Insect taxonomy.

1345-69
MEGEREMAEIDAE, A NEW FAMILY OF ORIBATID MITES (ACARI: CRYPTOSTIGMATA).
T A Woolley H G Higgins
Great Basin Natur 28(4):172-175
31 Dec 1968 410 G79
Insect taxonomy, Orihatei, Zoogeography.

1346-69
FAUNAL NOTES ON DIPTERA IN THE NETHERLANDS. III. (DU)
G van der Zanden
Entomol Ber 27(4):74
01 Apr 1967 420 N38B
Asilidae, Insect geography, Syrphidae. English abstract

1347-69
NEW SPECIES OF THE GENUS TACHINA MG. (DIPTERA, TACHINIDAE) PARASITES OF INJURIOUS LEPIDOPTERA IN THE USSR.
I S Zimin
Entomol Rev 46(2 APR JUN):274-280
1967 421 R322AI
Diptera, Lepidoptera, Parasitic insects.

PHYSIOLOGY AND BIOCHEMISTRY

1348-69
ECOLOGICAL POINTS OF VIEW IN FAUNISTIC WORK- SHOWN ON THE EXAMPLE OF THE LARVAE OF LEAF WASPS. (GE)
H Adam
Entomol Ber 85-88
1967 QL461.E54
Diapause, Hymenoptera, Insect biology, Insect ecology, Insect genetics, Larvae, Parasitism.

1349-69
CONCERNING ACOUSTICAL STIMULI IN THE INSECT BRAIN. (GE)
I J Adam
Naturwissenschaften 55(12):654-655
Dec 1968 474 N213
Brain, Insect physiology, Insects, Sense organs.

1350-69
LABORATORY COLONIZATION OF TRICHOPROSOPON DIGITATUM (RONDANI) (DIPTERA: CULICIDAE).
T H G Aitken J O Hingwan R Manuel H Hosein
Mosquito News 28(3):445-454
Sep 1968 421 M85
Insect biology, Insect colonization, Insect eggs, Insect rearing, Life cycle, Trichoprosopon digitatum.

1351-69
N-DEMETHYLATION OF THE CHEMOSTERILANT HEMPA BY HOUSE FLY MICROSOMES.
S Akov J E Oliver A B Borkovec
Life Sci 7(22,PT 2):1207-1213 REF
15 Nov 1968 442.8 L62
Chemical control (insects), Chemosterilants, Hempa, Insect physiology, Metabolism, Microsomes, Musca domestica.

1352-69
METABOLISM OF THE CHEMOSTERILANT HEMPA BY CARBAMATERESISTANT HOUSE FLIES.
S Akov A B Borkovec
Life Sci 7(22,PT 2):1215-1218
15 Nov 1968 442.8 L62
Carbamates, Chemosterilants, Insect metabolism, Insect physiology, Insecticide resistant insects, Musca domestica.

1353-69
A QUANTITATIVE STUDY ON THE OVARIAN FUNCTION OF THE LEPIDOPTEROUS PYRALID GALLERIA MELLONELLA L. BY MEANS OF THE GRAFT TECHNIQUE. (FR)
P Allegret G Panon
Acad Sci Compt Rend Ser D Sci Nat 268(2, 1ST SEMESTER):397-400
13 Jan 1969 505 P21
Galleria mellonella, Insect physiology, Ovaries, Statistics, Tissue culture.

1354-69
THE LARVA OF MISCODERA ARCTICA PAYK. (COL., CARABIDAE).
J Andersen
Norsk Entomol Tidsskr 15(1):71-74
1968 421 N812
Carabidae, Insect taxonomy, Larvae, Life cycle.

1355-69
THE EFFECT OF INUNDATION AND CHOICE OF HIBERNATION SITES OF COLEOPTERA LIVING ON RIVER BANKS.
J Andersen
Norsk Entomol Tidsskr 15(2):115-133 REF
1968 421 N812
Coleoptera, Floods, Hibernation, Mortality
Sampling procedures indicate that many Coleoptera survive flooding of river banks and that the survival rate is affected by microenvironments. Hibernation activity of some Staphylinids in such areas is discussed

1356-69
THE EFFECT OF DAY LENGTH ON GEOGRAPHICAL RACES OF PECTINOPHORA GOSSYPIELLA (SAUND.) (LEPIDOPTERA, GELECHIIDAE). (DU)
G W Ankersmit
Entomol Ber 27(4):68
01 Apr 1967 420 N38B
Insect behavior, Pectinophora gossypiella, Photoperiodism, Zoogeography.

1357-69
ON THE LIFE OF VESPULA VULGARIS (L.) AND V. MACULIFRONS (BUYSSON) (HYMENOPTERA: VESPIDAE).
W V Balduf
Entomol Soc Wash Proc 70(4):332-338
Dec 1968 420 W27
Insect behavior, Insect biology, Insect identification, Social insects, Vespidae, Vespula maculifrons, Vespula vulgaris.

1358-69
AGEING AND PROTEIN SYNTHESIS IN DROSOPHILA MELANOGASTER. (GE
P Baumann P S Chen
Rev Suisse Zool 75(4):1051-1055
Dec 1968 410 R324
Aging, Development, Drosophila melanogaster, Insect biochemistry, Protein synthesis, Radioactive tracers. English abstract

1359-69
ADVANCES IN INSECT PHYSIOLOGY.
J W L Beament J E Treherne V B Wigglesworth
Advances Insect Physiol 5:361P REF
1968 420 AD9
Food, Insect behavior, Insect biology, Insect flight, Insect morphology, Insect physiology.

1360-69
RELATIONSHIPS AMONG THE POLYHEDROSIS AND GRANULOSIS VIRUSES OF INSECTS.
A J D Bellett
Virology 37(1):117-123 REF
Jan 1969 448.8 V81
Cytoplasm, Granuloses, Inclusion bodies, Morphology, Nucleic acids, Polyhedroses, Proteins, Serological tests, Virology, Virus diseases (insects).

1361-69
BEHAVIORAL MUTANTS OF DROSOPHILA ISOLATED BY COUNTERCURRENT DISTRIBUTION.
S Benzer
Nat Acad Sci Proc 58(3):1112-1119 REF
Sep 1967 500 N21P
Demography, Drosophila melanogaster, Insect behavior, Methodology, Mutation.

1362-69
SEXUAL DIMORPHISM OF THE CAMPSOMERINAE (HYMENOPTERA, SCOLIIDAE). (DU)
J G Betrem
Entomol Ber 27(6):103-106
01 Jun 1967 420 N38B
Insect evolution, Insect genetics, Insect morphology, Polymorphism, Reproductive organs, Scoliidae. English abstract.

1363-69
STUDIES ON SOME LAND SNAILS INJURIOUS TO AGRICULTURE IN U.A.R.
S I Bishara M S Hassan A S Kalliny
Rev Zool Bot Afr 77(3/4):239-252 MAP
28 Jun 1968 410 R326
Animal morphology, Chemical control (pests), Crop losses, Humidity, Plant injuries, Snails, Tem-

perature, Zoogeography. Six species of snails are described.

1364-69
THE SYNAPTIC TRANSMISSION AND RELATED PHENOMENA IN INSECTS.
J Boistel
Advances Insect Physiol 5:1-64 REF
1968 420 AD9
Acetylcholine, Biochemistry, Electricity, Ganglion cells, Insect physiology.

1365-69
ELECTRON MICROSCOPE STUDIES ON THE LIFE CYCLE OF TRYPANOSOMA CRUZI, WITH SPECIAL CONSIDERATION ON THE DEVELOPMENTAL FORMS IN THE VECTOR, RHODNIUS PROLIXUS. (GE)
C Brack
Acta Trop 25(4):289-356 REF
1968 475 AC8
Cytology, Electron microscopy, Life cycle, Morphology, Physiology, Rhodnius prolixus, Trypanosoma cruzi. English and French abstracts.

1366-69
A MASS FLIGHT OF AMPHIMALLON SOLSTITIALIS (LINNE) (COL., SCARABAEIDAE). (DU)
H K Brandhorst
Entomol Ber 28(7):122-123
01 Jul 1968 420 N38B
Insect behavior, Insect flight, Insect migration, Scarabaeidae. English abstract.

1367-69
COLONIAL BEHAVIOR OF APIS MELLIFERA MELLIFERA L. AFTER EXPOSURE TO GAMMA RADIATION. (HYMENOPTERA: APIDAE).
R B Brooks J J Brendle
Entomol Soc Wash Proc 70(4):303-306 REF
Dec 1968 420 W27
Apidae, Apis mellifera, Dosage, Experimental insects, Gamma rays, Insect behavior, Social insects.

1368-69
ON THE LIGHT STIMULUS, TRANSMITTED BY TEGUMENTARY NERVES, CONTROLLING THE NEUROSECRETORY CELLS IN THE DICTYOPTERA BLABERIDAE AND BLATTIDAE. (FR)
P Brousse-Gaury
Acad Sci Compt Rend Ser D Sci Nat 268(2, 1ST SEMESTER):383-386
13 Jan 1969 505 P21
Blattidae, Insect physiology, Light, Nervous system, Neurosecretion.

1369-69
THE EFFECT OF ECDYSONES ON THE MAINTENANCE AND DEVELOPMENT OF OCULAR IMAGINAL DISCS IN VITRO.
W J Burdette E W Hanley J Grosch
Tex Rep Biol Med 26(2,SUMMER):173-180 REF
1968 448.8 T31
Calliphora, Development, Drosophila melanogaster, Ecdysone, Insect hormones, Tissue culture.

1370-69
A CONTRIBUTION TO THE STUDY OF THE MEDITERRANEAN RHIZOPULVINARIAE. (HOM. COCCIDAE). (FR)
M Canard
Soc Entomol France Bull 73(APR-MAR):90-96 REF
1968 420 F84B
Coccidae, Insect biology, Insect identification, Insect morphology, Insect taxonomy, Larvae, Pulvinaria, Zoogeography.

1371-69
THE LIFE HISTORY AND DEVELOPMENT OF LYPHA DUBIA FALL. (DIPT., TACHINIDAE).
L Cheng
Entomologist (London) 102(1269):25-32 REF
Feb 1969 421 EN8
Development, Host relationships, Insect morphology, Life cycle, Tachinidae.

1372-69
THE ENERGETICS OF THE DEVELOPMENT OF CABBAGE WHITE PIERIS BRASSICAE L. (LEPIDOPTERA).
J Chlodny
Ekol Pol Ser A 15(27):553-561 REF
1967 512 W263
Calorific value, Caterpillars, Experimental insects, Food consumption, Insect metabolism, Insect morphology, Larvae, Pieris brassicae, Polish summary.

1373-69
A PRELIMINARY REPORT OF PLUSIA FESTATA GRAESER (LEP., NOCTUIDAE).
I H Clayhills
Suomen Hyonteistietoellinen Aikakauskir Ann Entomol Fenn 34(2):104-105
Jun 1968 421 SU7
Insect anatomy, Insect identification, Noctuidae, Zoogeography.

1374-69
THE PHYSIOLOGICAL SIGNIFICANCE OF ACETYLCHOLINE IN INSECTS AND OBSERVATIONS UPON OTHER PHARMACOLOGICALLY ACTIVE SUBSTANCES.
E H Colhoun
Advances Insect Physiol 1:1-46 REF
1963 420 AD9
Acetylcholine, Biochemistry, Insect physiology, Pharmacology.

1375-69
ULTRASTRUCTURE OF THE SENSORY HAIRS OF THE ANTENNAE IN THE LARVAE OF SPEOPHYES LUCIDULUS (DELAR.) (COL. BATHYSC.). (FR)
G Corbiere
Acad Sci Compt Rend Ser D Sci Nat 268(2, 1ST SEMESTER):387-388
13 Jan 1969 505 P21
Antennae, Hair, Insect morphology, Larvae, Orthoptera.

1376-69
BIOCHEMICAL STUDY OF PLODIA INTERPUNCTELLA (HBN.) (LEPIDOPTERA). I. VARIATIONS IN BODY WEIGHT, DRY WEIGHT AND WATER CONTENT. (FR)
G Couture L Huot
Natur Can 94(4 JUL-AUG):437-446 REF
1967 410 N216
Biochemistry, Dehydration (physiological), Insect biology, Insect physiology, Larvae, Plodia interpunctella, Water. English summary.

1377-69
MORPHOLOGY, ENDOSKELETON AND MUSCLES OF AN APTEROUS ACRIDID (ORTHOPTERA: PROSCOPIIDAE). (FR)
L Covelo de Zolessi
Roy Entomol Soc London Trans 120(3):113P REF
08 Oct 1968 420 L84
Illustrations, Insect anatomy, Insect morphology, Muscles, Orthoptera. English summary.

1378-69
STUDIES ON FREE COLONIES OF CRYPTOCERUS TEXANUS SANTSCHI (HYMENOPTERA: FORMICIDAE).
W S Creighton
Psyche 74(1):34-41
Mar 1967 421 P95
Formicidae, Habitats, Insect behavior, Insect colonization, Insect geography, Tillandsia usneoides.

1379-69
DEVELOPMENT OF EGGS OF THE TICK, IXODES RICINUS L., DEPENDING ON TEMPERATURE AND HUMIDITY AND THE THERMOPREFERENDUM AND DAILY ACTIVITY OF ITS LARVAE.
M Czapska
Ekol Pol Ser A 15(30):577-606 REF
1967 512 W263
Emergence, Humidity, Insect ecology, Insect eggs, Insect morphology, Ixodes ricinus, Larvae, Quantitative analysis, Tables (data), Temperature. Polish summary.

1380-69
SOFTENING OF COLEOPTERA. (FR)
F D
Entomops (10):42
15 May 1968 QL461 E53
Coleoptera, Insect collection, Paradichlorobenzene, Water.

1381-69
SOME NEW INFORMATION ON THE BOSTRYCHIDAE OF AFRICA. (FR)
R Damoiseau
Rev Zool Bot Afr 77(3/4):303-313 REF
28 Jun 1968 410 R326
Bostrichidae, Insect biology, Insect identification, Insect taxonomy, Lyctidae, Zoogeography. Many other species are mentioned.

1382-69
EFFECTS OF SELECTION AND MIGRATION ON GEOTACTIC AND PHOTOTACTIC BEHAVIOUR OF DROSOPHILA. I.
T Dobzhansky B Spassky
Roy Soc Proc Ser B, Biol Sci 168(1010):27-47 REF
06 Jun 1967 501 L84B
Drosophila pseudoobscura, Geotropism, Insect behavior, Insect genetics, Insect migration, Phototropism.

1383-69
THE COLLECTION OF BITING FLIES IN WEST TEXAS WITH MALAISE AND ANIMAL-BAITED TRAPS.
E R Easton M A Price H O Graham
Mosquito News 28(3):465-469
Sep 1968 421 M85
Baits, Ceratopogonidae, Culicidae, Insect collecting equipment, Rabbits, Surveys, Tabanidae, Traps.

1384-69
AN AUTORADIOGRAPHIC TECHNIQUE FOR INSECT CELL MONOLAYERS IN ROSE MULTIPURPOSE TISSUE CULTURE CHAMBERS.
P E Eide
Tex Rep Biol Med 26(3,FALL):303-307
1968 448.8 T31
Autoradiography, Insect cytology, Leucophaea maderae, Methodology, Tissue culture.

1385-69
DEFENSE MECHANISMS OF ARTHROPODS. XX. QUANTITATIVE ASSESSMENT OF HYDROGEN CYANIDE PRODUCTION IN TWO SPECIES OF MILLIPEDES.
H E Eisner D W Alsop T Eisner
Psyche 74(2):107-117 REF
Jun 1967 421 P95
Diplopoda, Hydrocyanic acid, Insect protective devices, Photometry, Quantitative analysis, Secretions.

1386-69
THE EXTERNAL MORPHOLOGY OF THE POST-EMBRYONIC DEVELOPMENTAL STAGES OF SPINTURNIX MYOTI KOL. (ACARI: MESOSTIGMATA).
G O Evans
Acarologia 10(4):589-608 REF
Dec 1968 434.8 AC1
Insect adaptation, Insect biology, Insect morphology, Mesostigmata, Parasitism.

1387-69
SOME RELICT NEW GUINEA LEAFHOPPERS AND THEIR SIGNIFICANCE IN RELATION TO THE COMPARATIVE MORPHOLOGY OF THE HEAD AND PROTHORAX OF THE HOMOPTERA-AUCHENORRHYNCHA (HOMOPTERA; CICADELLIDAE; ULOPINAE).
J W Evans

Pacific Insects 10(2):215-229 REF
1968 421 P11
Cicadellidae, Insect evolution, Insect morphology.

1388-69
TETRANYCHUS LINTEARIUS DUFOUR, 1832, IS A VALID SPECIES (ACAR.) NOTULAE AD TETRANYCHIDAS II.
G L Van Eyndhoven
Entamal Ber 27(5):90-100 REF
01 May 1967 420 N38B
Insect ecology, Insect taxonomy, Tetranychus, Zoogeography.

1389-69
INSECTICIDAL DUSTS AGAINST JAPANESE BEETLES AND EUROPEAN CHAFERS FOR DISINSECTIZATION OF TRANSPORT VEHICLES.
B J Fiori V A Puglisi D W Hamilton G E Cavin
J Econ Entomol 62(1):8-9
17 Feb 1969 421 J822
Amphimallon majalis, Carbaryl, Chemical control (insects), DDT, Dusting, Insecticides, Malathion, Popillia japonica, Vehicles.

1390-69
NOTES ON THE GENUS BOREUS IN NORWAY.
A Fjellberg L Greve
Norsk Entomol Tidsskr 15(1):33-34
1968 421 N812
Boreidae, Demography, Insect ecology, Sex ratios.

1391-69
FURTHER CONTRIBUTIONS TO THE KNOWLEDGE OF THE DISTRIBUTION AND ECOLOGY OF BEETLES IN CENTRAL SOUTH NORWAY. (GE)
A Friden
Norsk Entamol Tidsskr 15(2):99-104 REF
1968 421 N812
Insect ecology, Staphylinidae, Zoogeography.

1392-69
POSSIBLE NEW AND MORE SELECTIVE MEANS OF PEST CONTROL.
R A E Galley
Roy Soc Prac Ser B, Bial Sci 167(1007):155-163 REF
21 Feb 1967 501 L84B
Attractants, Chemical control (insects), Formulations, Hormones, Insect repellents, Methodology. Pest control, Pesticides.

1393-69
THE LIFE-CYCLE OF THE SPIDER PHIDIPPUS LOCCINEUS (SALTICIDAE) UNDER LABORATORY CONDITIONS.
B T Gardner
Psyche 74(2):104-106
Jun 1967 421 P95
Araneida, Hibernation, Insect behavior, Insect nutrition, Insect rearing, Life cycle.

1394-69
HETEROGENEITY IN THE FIBRE COMPOSITION OF THE FLIGHT MUSCLES OF DRAGONFLIES (ODONATA).
J C George
Cur Sci 37(19):547-549 REF
05 Oct 1968 475 SCI23
Insect morphology, Muscles, Odonata.

1395-69
MASS REARING OF ANOPHELES STEPHENSI LISTON.
E J Gerberg J W Gentry L H Diven
Mosquita News 28(3):342-346
Sep 1968 421 M85
Anopheles stephensi, Insect rearing, Methodology.

1396-69
HYPERSENSITIVITY OF NICOTIANA XANTHI N. C. TO VIRUS, TEMPERATURE, AND SOLUBLE PROTEINS. (FR)
S Gianinazzi J C Vallee C Martin
Acad Sci Compt Rend Ser D Sci Nat 268(5, 1ST SEMESTER):800-802
03 Feb 1969 505 P21
Electrophoresis, Insect physiology, Nicotiana, Proteins, Temperature, Viruses.

1397-69
NATURAL SELECTION AND FEEDING SPEED IN A BLOOD-SUCKING INSECT.
J D Gillett
Ray Soc Proc Ser B, Biol Sci 167(1008):316-329 REF
28 Mar 1967 501 L84B
Aedes, Host relationships, Immunity, Insect feeding, Insect protective devices, Natural selection.

1398-69
STUDIES ON THE FAUNA OF MAYFLIES (EPHEMEROPTERA) IN THE ENVIRONS OF CRACOW. (POL)
Z Glowacinski
Acta Hydrobiol 10(1-2):103-130 MAP REF
1968 409.6 AC8
Ephemeroptera, Insect dissemination, Insect ecology, Insect populations, Larvae, Tables (data), Zoogeography. English summary.

1399-69
A FIRST CASE OF MACROCHELES MUSCAEDOMESTICAE SCOPOLI, 1772 (ACARINA: MESOSTIGMATA) IN TURKEY. (TU)
K Goksu S Guler
Ankara Univ Vet Fok Dergisi 15(1):109-113
1968 41.9 AN4D
Biological control (insects), Calliphora vicina, Host relationships, Mesostigmata, Musca domestica, Parasitic insects. English abstract

1400-69
DYSMACHUS TRIGONUS (MEIGEN) (DIPTERA, ASILIDAE) AS A PREDATOR OF ISCHNURA ELEGANS (VAN DER LINDEN) (ODONATA, COENAGRIIDAE).
K G Goodyear
Entomologist (london) 102(1268):21
Jan 1969 421 EN8
Asilidae, Insect behavior, Ischnura, Predaceous insects.

1401-69
THE PRESENCE OF LARGE FERRITIN CRYSTALS IN THE CELLS OF THE MIDDLE INTESTINE OF CAMPYLENCHIA LATIPES SAY. (HOMOPTERA, MEMBRACIDAE). (FR)
J Gouranton R Folliot
Rev Can Biol 27(1):77-81
Mar 1968 442.8 R325
Cytology, Electron microscopy, Insect biochemistry, Insect histology, Intestines, Membracidae. English abstract

1402-69
CHANGES IN ACETYLCHOLINE LEVEL DURING DIAPAUSE IN NORMAL AND IRRADIATED PUPAE.
K Grzelak Z Lassota
Palska Akad Nauk Bull Ser Sci Biol 16(6):331-335
1968 512 W262
Acetylcholine, Celerio euphorbiae, Cobalt isotopes, Gamma rays, Insect biology, Pupae.

1403-69
FURTHER STUDIES ON THE INTERNAL ANATOMY OF THE MELOIDAE. III. THE DIGESTIVE AND REPRODUCTIVE SYSTEMS AS BASES FOR TRIBAL DESIGNATION OF PSEUDOMELOE MINIACEOMACULATA (BLANCHARD) (COLEOPTERA: MELOIDAE).
A P Gupta
N Y Entomol Soc J 75(27:93-99
Jun 1967 420 N48J
Insect physiology, Meloidae, Reproductive organs, Zoogeography.

1404-69
PERMEABILITY OF THE CUTICLE TO PYRETHRIN II. (TU)
S Gurtunca
Ankara Univ Vet Fak Dergisi 15(1):125-131 REF
1968 41.9 AN4D
Biochemistry, Biological assay, Cuticle, Musca domestica, Permeability, Pyrethrum, Toxicology. English abstract

1405-69
NOTES ON BUTTERFLY MIGRATION IN ARGENTINA BETWEEN APRIL 1966 AND MAY 1968.
K J Hayward
Entomologist (london) 102(1268):10-11
Jan 1969 421 EN8
Butterflies, Demography, Insect behavior, Insect flight, Insect migration.

1406-69
THE LEPIODOPTERA DISTRIBUTION MAPS SCHEME.
J Heath
Entomologist (london) 102(1268):12-16 MAP
Jan 1969 421 EN8
Insect geography, Lepidoptera, Maps, Surveys.

1407-69
THE USE OF THE FORAGE RATIO TECHNIQUE IN MOSQUITO HOST PREFERENCE STUDIES.
A D Hess R O Hayes C H Tempelis
Mosquito News 28(3):386-389 REF
Sep 1968 421 M85
Aedes albopictus, Birds, Culex quinquefasciatus, Culiseta, Host relationships, Mammals, Surveys.

1408-69
NOTES ON SOME JAPANESE ERIOSOMATINAE (HOMOPT., APHIDIDAE) AND THEIR LIFE CYCLE.
D Hille Ris Lambers
Entomal Ber 27(5):86-89
01 May 1967 420 N38B
Aphididae, Insect biology, Insect ecology, Insect morphology, Plant pests.

1409-69
SPIRACULAR GILLS.
H E Hinton
Advances Insect Physiol 5:65-162 REF
1968 420 AD9
Environment, Insect physiology, Metamorphosis, Respiration, Spiracles.

1410-69
ON THE AUTHORSHIP OF THE GENERIC NAME TAGALIS AND THE INVALIDITY OF THE FAMILY-GROUP NAME TAGALIDAE (HEMIPTERA: REDUVIIDAE).
R F Hussey P Wygodzinsky
N Y Entomol Soc J 76(1):34-36
Mar 1968 420 N48J
Insect taxonomy, Nomenclature, Reduviidae.

1411-69
OVIPOSITION IN ORNITHODORUS MOUBATA MURRAY (IXODOIDEA, ARGASIDAE). (FR)
Rev Suisse Zool 75(4):1033-1039
Dec 1968 410 R324
Insect reproduction, Oogenesis, Ornithodoros, Oviposition. English abstract

1412-69
INDUCED SHIFT OF THE DIURNAL EMERGENCE AND CALLING OF THE PEACH TREE BORER.
S W Jacklin C E Yonce
J Econ Entomol 62(1):21-22
17 Feb 1969 421 J822
Aegeriidae, Experimental insects, Insect behavior, Insect ecology, Light, Photoperiodism, Sanninoidea exitiosa.

1413-69
THE INFLUENCE OF WEATHER ON THE ACTIVITY AND BEHAVIOR OF GREENHEAD FLIES, TABANUS NIGROVITTATUS MACQUART AND TABANUS LINEOLA FABRICIUS.
J M Joyce E J Hansens
N Y Entomol Soc J 76(2):72-80 MAP
Jun 1968 420 N48J

Insect behavior, Insect dissemination, Insect traps, Tabanus, Tabanus lineola, Weather.

Trap catches of Tabanus nigovittatus and N. lineola are correlated with weather conditions and fly dispersal.

1414-69
PTERINS OF PIERIDAE II. (DU)
W J Kahos
Entomol Ber 27(5):83-86
01 May 1967 420 N38B
Chromatography, Insect biochemistry, Leucopterin, Pieridae. German abstract

1415-69
TEMPORAL TERRITORIAL BEHAVIOR OF THE DRAGONFLY AESCHNA CYANEA. (GE)
H Kaiser
Naturwissenschaften 55(12):657
Dec 1968 474 N213
Habitats, Insect behavior, Odonata, Territoriality.

1416-69
AN AUTOMATED REPELLENCY ASSAY SYSTEM. I. STATISTICAL METHODS.
P Kasin M L Kardatzke
J Econ Entomol 62(1):10-13
17 Feb 1969 421 J822
Aedes aegypti, Insect behavior, Insect repellents, Insecticides, Mice, Programming (computers), Statistical analysis.

1417-69
PINK BOLLWORM VERSUS THE STERILE CONCEPT.
L C Keenan
Farm Chem 131(5):26-28
May 1968 57.8 AM3
Biological control (insects), Cotton, Industry, Insect pests, Pectinophora gossypiella, Pesticides, Plant protection, Sterility.

1418-69
EFFECT OF FOOD AND TEMPERATURE ON AEDES AEGYPTI (L.) AND AEDES TRISERIATUS (SAY) LARVAL DEVELOPMENT.
J E Keirans R W Fay
Mosquito News 28(3):338-341
Sep 1968 421 M85
Aedes aegypti, Aedes triseriatus, Development, Insect nutrition, Larvae, Temperature.

1419-69
CIRCUMVERSION AND MATING POSITIONS IN PLATYPEZIDAE--AN EXPANDED AND EMENDED ACCOUNT (DIPTERA).
E L Kessel
Wasmann J Biol 26(2,FALL):243-253
1968 442.8 W28
Diptera, Insect morphology, Mating habits, Sex behavior.

1420-69
A PRELIMINARY NOTE ON THE FAUNA OF WATER-FILLED TREE-HOLES.
R L Kitching
Entomologist (london) 102(1268):7-9 REF
Jan 1969 421 EN8
Diptera, Habitats, Insect ecology, Larvae, Life cycle, Surveys, Water.

1421-69
FURTHER NOTES ON MELANISM IN CONNECTICUT PANTHEA FURCILLA (PACKARD) (LEPIDOPTERA: NOCTUIDAE).
A B Klots
N Y Entomol Soc J 76(2):92-95
Jun 1968 420 N48J
Demography, Insect ecology, Insect genetics, Melanosis, Noctuidae.

1422-69
LARVAL DIMORPHISM AND OTHER CHARACTERS OF HETEROCAMPA PULVEREA (GROTE ROBINSON) (LEPIDOPTERA: NOTODONTIDAE).
A B Klots
N Y Entomol Soc J 75(2):62-67
Jun 1967 420 N48J
Insect morphology, Larvae, Notodontidae, Polymorphism.

1423-69
METHODS USED IN UTAH FOR SAMPLING TABANID POPULATIONS.
A B Knudsen D M Rees
Mosquito News 28(3):356-361
Sep 1968 421 M85
Insect collection, Insect population, Insect survey, Insect traps, Methodology, Tabanidae.

The use of soil sampling techniques, sweep nets, emergence traps, Malaise traps and tanglefoot traps were evaluated as sampling methods for estimating Tabanid populations.

1424-69
BOOPHILUS KOHLSI HOOGSTRAAL AND KAISER 1960 (ACARINA: IXODIDAE). LIFE CYCLE AND MORPHOLOGY OF LARVA. (GE)
G Kohler G Hoffmann
Z Parasitenk 29(1):36-39
1967 442.8 Z33F
Boophilus, Insect morphology, Larvae, Life cycle.

1425-69
VESPULA MACULIFRONS (HYMENOPTERA: VESPIDAE) PREYING ON THE EUROPEAN EARWIG FORFICULA AURICULARIA.
F E Kurczewski
N Y Entomol Soc J 76(2):84-86
Jun 1968 420 N48J
Forficula auricularia, Predaceous insects, Vespidae.

1426-69
THE RELATIVE ABUNDANCE OF TWO DIGGER WASPS, OXYBELUS BIPUNCTATUS AND TACHYSPHEX TERMINATUS, AND THEIR ASSOCIATES, IN A SAND PIT IN CENTRAL NEW YORK.
F E Kurczewski B J Harris
N Y Entomol Soc J 76(2):81-83
Jun 1968 420 N48J
Demography, Insect ecology, Sphecidae, Surveys.

1427-69
THE NOCTURNAL INSECT CATCHES AT PREDETERMINED TIME INTERVAL IN THE ORGANIC SOIL DISTRICT OF STE. CLOTILDE, SOUTHWESTERN QUEBEC.
J Lafrance
Entomol Soc Quebec Ann 13(1):32-53
Jan 1968 420 EN822
Coleoptera, Demography, Insect behavior, Insect flight, Insect populations, Lepidoptera, Surveys, Temperature.

1428-69
LIFE HISTORY AND LIFE TABLE OF PHYTOSEIULUS PERSIMILIS ATHIAS-HERIOT.
J E Laing
Acarologia 10(4):578-588 REF
Dec 1968 434.8 AC1
Biological control (insects), Life cycle, Phytosciulus persimilis, Statistical analysis, Tetranychus urticae.

1429-69
TEMPERATURE AND LIFESPAN IN DROSOPHILA.
M J Lamb
Nature 220(5169):808-809
23 Nov 1968 472 N21
Aging, Drosophila melanogaster, Insect physiology, Longevity, Temperature.

1430-69
IN VIVO ACTIVITY OF PROPOLIS AGAINST BACILLUS LARVAE.
L A Lindenfelser
J Invertebrate Pathol 12(1):129-131
Oct 1968 421 J826
American foulbrood, Apis mellifera, Bacillus larvae, Bacterial diseases (insects), Deformation, Drug therapy, Propolis, Spraying, Sulfur.

1431-69
HISTOCHEMISTRY AND ULTRASTRUCTURE OF THE MYCETOMES AND SYMBIOTES OF ICERYA PURCHASI MASK. (HOMOPTERA-COCCOIDEAMONOPHLEBINAE). (FR)
C Louis
Acad Sci Compt Rend Ser D Sci Nat 268(2, 1ST SEMESTER):445-448
13 Jan 1969 505 P21
Histochemistry, Icerya purchasi, Insect morphology, Mycetomes.

1432-69
CHANGES IN REDUCING CARBOHYDRATES AND TREHALOSE DURING DEVELOPMENT OF EGGS FROM YOUNG AND OLD TENEBRIO MOLITOR L..
D Ludwig G F Rajendram L J Ramazzotto
N Y Entomol Soc J 76(1):27-31 REF
Mar 1968 420 N48J
Biochemistry, Carbohydrates, Eggs, Tenebrio molitor, Trehalose.

1433-69
INVESTIGATION INTO THE TENDENCY OF PARTHENOGENIC REPRODUCTION OF SOLENOBIA MANNI Z. (LEPIDOPTERA, PSYCHIDAE). (GE)
H Malicky
Rev Suisse Zool 75(4):999-1004 MAP
Dec 1968 410 R324
Insect geography, Insect reproduction, Parthenogenesis, Psychidae.

1434-69
THE MOSQUITO CONCENTRATOR.
J L McDonald R T Holway
Mosquito News 28(3):403-405
Sep 1968 421 M85
Aedes, Culex, Insect collecting equipment, Insect ecology, Insect traps, Methodology.

The author describes a mosquito concentrator, an apparatus consisting of a light, fan and collecting bottle which can be attached to vehicles for collecting mosquitoes.

1435-69
BOMBUS JONELLUS (KIRBY) (HYM., APIDAE) HAS TWO GENERATIONS IN A SEASON.
O Meidell
Norsk Entomol Tidsskr 15(1):31-32
1968 421 N812
Bombus, Demography, Insect biology, Life cycle, Reproduction.

1436-69
THE OXYGEN CONSUMPTION OF DIFFERENT COLOR STAGES IN THE BUG NEZARA VIRIDULA (L.). (GE)
S Michieli B Zener
Z Vergleichende Physiol 58(2):223-224
06 Mar 1968 444.8 Z3
Color, Insect metabolism, Insect physiology, Nezara viridula, Oxygen. English summary.

1437-69
PYRALIDAE OF TEXEL. (DU)
P Mijzen
Entomol Ber 27(6):119-120
01 Jun 1967 420 N38B
Catalogs, Insect morphology, Pyralidae. English abstract.

1438-69
OBSERVATIONS AND RECORDS FOR SOME BRITISH THYSANOPTERA. VII. THRIPIDAE. THRIPS KLAPALEKI UZEL.
G D Morison
Entomologist (london) 101(1267):265-268 REF
Dec 1968 421 EN8
Insect ecology, Insect geography, Insect morphology, Thripidae.

1439-69
ON THE MORPHOLOGY AND HISTOLOGY OF THE DIGESTIVE TRACTS OF TWO JASSIDS (HOMOPTERA, AUCHENORRHYNCHIA), WITH SPECIAL CONSIDERATION OF THE SO-CALLED FILTER CHAMBER. (GE)
R Munk
Z Wiss Zool 175(3-4):405-424 REF
1967 410 Z3
Cicadellidae, Gastrointestinal system, Insect digestion, Insect histology, Insect morphology. English abstract

1440-69
ON THE SIGNIFICANCE OF THE DURATION OF PREOVIPOSITION AND OVIPOSITION PERIODS IN IXODID TICKS.
S K Nagar
Acarologia 10(4):621-629
Dec 1968 434.8 AC1
Dermacentor variabilis, Insect nutrition, Insect taxonomy, Oviposition, Rhipicephalus sanguineus.

1441-69
ECDYSONE AND ECDYSONE ANALOGUES: THEIR ASSAY ON THE FLESHFLY SARCOPHAGA PEREGRINA.
T Ohtaki R D Milkman C M Williams
Nat Acad Sci Proc 58(3):981-984 REF
Sep 1967 500 N21P
Analogs, Biochemistry, Biological assay, Ecdysone, Sarcophagidae.

1442-69
NURSERYMENS EXPERIENCE IN 1964-1965 WITH MELLICTA ATHALIA ROTT. (LEP., NYMPHALIDAE). (DU)
H van Oorschot
Entomol Ber 28(7):124-127
01 Jul 1968 420 N38B
Insect morphology, Nurseries, Nymphalidae. English abstract

1443-69
OBSERVATIONS ON THE BEHAVIOR OF THE BEE ANTHIDIUM MANICATUM (L.).
L L Peckham
N Y Entomol Soc J 75(2):68-73
Jun 1967 420 N48J
Anthidium, Insect behavior, Territoriality.

1444-69
ADVERSE EFFECTS OF FOLIC ACID ON THE GONADS OF ADULT DROSOPHILA (INSECTA, DIPTERA). MODIFICATIONS IN MORPHOLOGY AND HISTOPATHOLOGY. (FR)
C Perrin-Waldemer
Acad Sci Compt Rend Ser D Sci Nat 268(1, 1ST SEMESTER):165-168 REF
06 Jan 1969 505 P21
Drosophila, Folic acid, Insect histology, Insect morphology, Reproductive organs.

1445-69
A MIXED WASP'S NEST. (GE)
D S Peters
Natur Mus 98(6):231-238
Jun 1968 509 F856
Hymenoptera, Insect behavior, Insect nests, Social insects.

1446-69
OVIPAROUS MORPHS OF LIPAPHIS ERYSIMI (KALTENBACH) IN INDIA (HOMOPTERA: APHIDIDAE).
V R Phalak
Curr Sci 37(20):590-591
20 Oct 1968 475 SCI23
Aphididae, Insect morphology, Parthenogenesis, Zoogeography.

1447-69
ON THE KNOWLEDGE OF THE MORPHOLOGY AND BIOLOGY OF TROGODERMA ANGUSTUM SOLIER, 1849 (COLEOPTERA; DERMESTIDAE). (GE)
E Philipp
Z Angew Zool 55(2):193-256 REF
1968 449.8 Z36
Insect biology, Insect geography, Insect morphology, Larvae, Trogoderma. English abstract

1448-69
DIPLOPODA (MYRIAPODA) HARMFUL TO CULTIVATED PLANTS IN THE CENTRAL AFRICAN REPUBLIC. DESCRIPTION OF HAPLOTHYSANUS HAPLOTHYSARIOIDES N. SP. (ODONTOPYGIDAE). (FR)
G Pierrard
Coton Fibres Trop 22(4):435-436
Dec 1967 73.8 C82
Cotton, Diplopoda, Haplothysanus haplothysarioides, Insect biology, Insect pests, Insect taxonomy, Peanuts. English and Spanish summaries

1449-69
A REMARKABLE TERATOLOGICAL SPECIMEN OF THE INDIAN STICK INSECT CARAUSIUS MOROSUS BR. (PHASMIDAE, ORTHOPTERA).
L P Pijnacker
Entomol Ber 28(8):149-151
01 Aug 1968 420 N38B
Insect abnormalities, Insect morphology, Phasmatidae.

1450-69
CIRCADIAN SYSTEMS, I. THE DRIVING OSCILLATION AND ITS ASSAY IN DROSOPHILA PSEUDOOBSCURA.
C S Pittendrigh
Nat Acad Sci Proc 58(4):1762-1767
Oct 1967 500 N21P
Diurnal rhythm, Drosophila pseudoobscura, Insect behavior, Light.

1451-69
ON THE PROBLEM OF THE IMPORTANCE OF THE LARVAL HAEMOGLOBIN FOR THE RESPIRATION OF THE TROPICAL CHIRONOMID CHIRONOMUS STRENZKEI FITTKAU (DIPTERA). (GE)
I Platzer-Schultz
Z Vergleichende Physiol 58(2):229-240 REF
06 Mar 1968 444.8 Z3
Chironomidae, Hemoglobin, Insect physiology, Insect respiration, Larvae, Oxygen, Tropics. English summary.

1452-69
A STUDY OF AREA OCCUPATION AND MATING BEHAVIOR IN INCISALIA IROIDES (LEPIDOPTERA: LYCAENIDAE).
J A Powell
N Y Entomol Soc J 76(1):47-57 REF
Mar 1968 420 N48J
Insect behavior, Insect ecology, Lycaenidae, Mating habits, Reproduction, Territoriality.

1453-69
INVESTIGATION INTO THE DIAPAUSE, CAPACITY ADAPTATION AND TEMPERATURE RESISTANCE OF SEVERAL INSECTS AND SNAILS. (GE)
I Precht
Z Wiss Zool 176(1-2):122-172 REF
1967 410 Z3
Diapause, Insect adaptation, Insect physiology, Lygaeidae, Nitidulidae, Odonata, Snails, Temperature, Tenebrionidae. English abstract

1454-69
COMPARATIVE PHYSIOLOGY OF THE FLIGHT MOTOR.
J W S Pringle
Advances Insect Physiol 5:163-227 REF
1968 420 AD9
Apis mellifera, Coleoptera, Diptera, Insect flight, Insect physiology, Lepidoptera, Muscles.

1455-69
ELECTRON MICROSCOPICAL INVESTIGATIONS ON THE MORPHOLOGY OF GALL MITES (ERIOPHYIDAE). (GE)
G Proeseler K Eishein
Biol Zentralbl 87(5,SEP-OCT):609-615
Oct 1968 442.8 B523
Electron microscopy, Eriophyidae, Insect morphology. English abstract

1456-69
OCCURENCE OF GALLERIA MELLONELLA AND ACHERONITA ATROPOS AS HONEY BEE PARASITES IN IRAN. (PE)
H Rak Y Tamiji
Tehran Univ Vet Fac J 24(2):52-63
Apr 1968 41.9 123
Acheronita atropos, Apis mellifera, Galleria mellonella, Insect behavior, Parasitic insects. English summary.

1457-69
CONTRIBUTION TO THE STUDY OF THE MODE OF ACTION OF CERTAIN SYNTHETIC INSECTICIDES, MOST PARTICULARLY OF LINDANE, AND OF THE PHENOMENA OF RESISTANCE TO THESE COMPOUNDS IN MUSCA DOMESTICA L. (FR)
F Ramade
Inst Nat Agron Ann (N S)5:1-266 REF
1967 105.3 IN8
Carbaryl, DDT, Esters, Insecticide resistant insects, Insecticides, Lindane, Musca domestica, Symptomatology, Toxicity. English summary

1458-69
ANATOMICAL CHANGES IN THE NEUROMUSCULAR COMPLEX OF THE PROLEG OF GALLERIA MELLONELLA (L.) (LEPIDOPTERA: PYRALIDIDAE) DURING METAMORPHOSIS.
W C Randall
J Morphol 125(1):105-117 REF
May 1968 444.8 J826
Abdomen, Galleria mellonella, Insect anatomy, Metamorphosis, Muscles.

1459-69
OBSERVATIONS ON THE NATURAL PREDATORS OF THE APHID PESTS IN THE RANCHI DISTRICT WITH SPECIAL REFERENCE TO CHILOMENES SEXMACULATA FABR.
S K Ray
Indian Agr 11(2):117-120
Jul 1967 22 IN294
Aphididae, Beneficial insects, Chilomenes sexmaculata, Coccinella septempunctata, Cruciferae, Insect pests, Scymnus xerampelinus, Syrphidae, Vegetables.

1460-69
STRUCTURE OF THE CRYPTONEPHRIDIAL MALPIGHIAN REGION OF THE LARVAL HYMENOPTERAN SYMPHYTA. (FR)
P Razet D Quillevere
Acad Sci Compt Rend Ser D Sci Nat 268(2, 1ST SEMESTER):328-330 REF
13 Jan 1969 505 P21
Insect histology, Insect morphology, Larvae, Malpighian tubes, Symphyta, Urogenital system.

1461-69
VARIABILITY OF THE PHOTOPERIODIC REACTION IN A NUMBER OF SUCCESSIVE GENERATIONS OF SPIDER MITES (ACARINA).
A P Razumova
Entomol Rev 46(2,APR-JUN):159-161
1967 421 R322AE
Acarina, Biological control (insects), Diapause, Environment, Growth factors, Humidity, Insect breeding, Insect ecology, Insect genetics, Insect growth, Insect physiology, Panonychus ulmi, Photoperiodism, Temperature, Tetranychidae. Translated from the Russian.

1462-69
THE EFFECTS OF JUVENILE HORMONE ANALOGUES ON THE EMBRYONIC DEVELOPMENT OF SILKWORMS.
L M Riddiford C M Williams
Nat Acad Sci Proc 57(3):595-601 REF
Mar 1967 500 N21P

Analogs, Embryology, Hyalophora cecropia, Insect growth inhibitors, Insect morphology, Juvenile hormone, Pyrrhocoris apterus.

1463-69
CONSTITUTION OF A COMPOUND WITH A PRONOUNCED JUVENILE HORMONE ACTIVITY.
M Romanuk K Slama F Sorm
Nat Acad Sci Proc 57(2):349-352 REF
Feb 1967 500 N21P
Analogs, Chemical analysis, Juvenile hormone, Synthesis.

1464-69
THE EVOLUTIONARY SIGNIFICANCE OF ROTATION OF THE OOTHECA IN THE BLATTARIA.
L M Roth
Psyche 74(2):85-103 REF
Jun 1967 421 P95
Blattidae, Catalogs, Insect evolution, Insect morphology, Oothecae, Oviposition.

1465-69
A SIMPLE REARING CONTAINER FOR DROSOPHILA.
A Rothschild W V Eisenberg A W Vazquez
J Hered 59(2,MAR-APR):98
Apr 1968 442.8 AM3
Diet, Drosophila, Insect rearing, Insect rearing equipment.

1466-69
ACTIVITIES OF RESPIRATORY ENZYMES DURING THE METAMORPHOSIS OF THE FACE FLY, MUSCA AUTUMNALIS DE GEER.
P G Rousell
N Y Entomol Soc J 75(3):119-125 REF
Sep 1967 420 N48J
Biochemistry, Enzymes, Insect respiration, Metamorphosis, Musca autumnalis.

1467-69
EPIZOOTIOLOGY OF TRYPANOSOMA CRUZI IN SOUTHWESTERN NORTH AMERICA. XII. DOES GAUSE'S RULE APPLY TO THE ECTOPARASITIC TRIATOMINAE (HEMIPTERA: REDUVIIDAE) (KINETOPLASTIDAE: TRYPANOSOMIDAE) (RODENTIA: CRICETIDAE).
R E Ryckman J V Ryckman
J Med Entomol 4(3):379-386 REF
10 Aug 1967 421 J828
Ecology, Epizootic diseases, Parasitism, Reports, Trypanosoma cruzi.

1468-69
THE HOMOLOGIES OF THE FEMALE GENITALIA IN THE PENTATOMOIDEA (HEMIPTERA-HETEROPTERA).
C W Schaefer
N Y Entomol Soc J 76(2):87-91
Jun 1968 420 N48J
Insect morphology, Pentatomidae, Reproductive organs.

1469-69
HYDROCYANIC ACID IN THE DEFENSE SECRETION OF THE GEOPHILID PACHYMERIUM FERRUGINEUM. COMMUNICATION ON ARTHROPOD PROTECTIVE SUBSTANCES. (GE)
H Schildknecht U Maschwitz D Krauss
Naturwissenschaften 55(5):230 REF
May 1968 474 N213
Chilopoda, Hydrocyanic acid, Insect biochemistry, Insect histology, Insect protective devices, Secretion.

1470-69
ON THE EVOLUTION OF CARABIDS' SCENT GLAND SECRETION. ON ARTHROPOD DEFENSE SUBSTANCES. (GE)
H Schildknecht U Maschwitz H Winkler
Naturwissenschaften 55(3):112-117 REF
Mar 1968 474 N213
Carabidae, Catalogs, Insect biochemistry, Insect evolution, Insect morphology, Insect protective devices, Scent glands, Toxicology

1471-69
MORPHOLOGICAL ASPECTS OF THE DEVELOPMENT IN VITRO OF THE IMAGO DISCS OF DROSOPHILA. (FR)
P Sengel P Mandaron
Acad Sci Compt Rend Ser D Sci Nat 268(2, 1ST SEMESTER) 405-407 REF
13 Jan 1969 505 P21
Drosophila melanogaster, Insect morphology, Metamorphosis, Tissue culture.

1472-69
BIONOMY OF THE AFRO-EUROPEAS APIS IN BRAZIL. (POR)
R M B da Silva W N Scott
Bol Indus Anim 24(1):199-208
1967 49 R324
Apis mellifera, Insect behavior, Insect ecology, Insect physiology, English abstract

1473-69
SPECIFIC GRAVITY OF HONEY FROM AFRICANIZADAS BEES. (POR)
R M B da Silva
Bol Indus Anim 24(1):219-222
1967 49 R324
Apiculture, Apis mellifera, Crop yields, Density, Honey, English abstract

1474-69
THE INFLUENCE OF SPACING BETWEEN HONEYCOMBS ON PRODUCTIVITY OF MOVABLE FRAME HIVE. (POR)
R M B da Silva
Bol Indus Anim 24(1):209-217
1967 49 R324
Apiculture, Apis mellifera, Crop yields, Honey, English abstract

1475-69
SPECTROMETRIC IDENTIFICATION OF INSECT SEX ATTRACTANTS.
R M Silverstein
J Chem Educ 45(12):794-797 REF
Dec 1968 381 J826
Attagenus megatoma, Biochemistry, Dendroctonus brevicomis, Insects, Ips confusus, Methodology, Pheromones, Sex attractants, Spectrometry.

1476-69
ACCLIMATION TO LOW TEMPERATURES IN TRIBOLIUM CONFUSUM DUVAL (COL., TENEBRIONIDAE).
L Somme
Norsk Entomol Tidsskr 15(2):134-136 REF
1968 421 N812
Insect temperature, Mortality, Tribolium confusum.

The mortality rate of adult Tribolium confusum subjected to zero degrees centigrade decreases sharply if the insects are first acclimatized to 12 degrees C for four days, however there is no increased metaholic rate in the cold acclimated individuals as is the case in some other insects.

1477-69
STUDIES IN AGING, III. THE PHYSIOLOGICAL EFFECTS OF INJECTING HEMOLYMPH FROM OUTBRED DONORS INTO INBRED HOSTS IN DROSOPHILA MELANOGASTER.
K C Sondhi
Nat Acad Sci Proc 57(4):965-971 REF
Apr 1967 500 N21P
Drosophila melanogaster, Fertility, Hemolymph, Insect physiology, Longevity.

1478-69
NERVOUS SYSTEM OF THE HEAD OF PRODENIA LITURA (LEPIDOPTERA, NOCTUIDAE).
B B L Srivastava
Zool Pol 17(4):315-322
1967 410 Z712
Head, Insect morphology, Nervous system, Prodenia litura.

1479-69
HEAD NERVES OF THE LARVA OF PRODENIA LITURA FABR. (LEPIDOPTERA, NOCTUIDAE).
B B L Srivastava
Zool Pol 17(4):345-355 REF
1967 410 Z712
Head, Insect morphology, Larvae, Nervous system, Prodenia litura.

1480-69
A METHOD OF ESTIMATING THE SIZE OF NATIVE POPULATIONS OF ORIENTAL, MELON, AND MEDITERRANEAN FRUIT FLIES, TO ESTABLISH THE OVERFLOODING RATIOS REQUIRED FOR STERILE-MALE RELEASES.
L F Steiner
J Econ Entomol 62(1):4-7
17 Feb 1969 421 J822
Biological control (insects), Ceratitis capitata, Dacus cucurbitae, Dacus dorsalis, Insect traps, Population, Sterility.

1481-69
A VIRUS DISEASE IN CHIRONOMUS PLUMOSUS.
D B Stoltz W L Hilsenhoff H F Stich
J Invertebrate Pathol 12(1):118-128 REF
Oct 1968 421 J826
Chironomus plumosus, Cytology, Deoxyribonucleic acid, Electron microscopy, Fat body, Illustrations, Insect diseases, Iridescent virus, Larvae, Virus diseases (insects).

1482-69
THE GENITAL ORGANS OF THE NORTHERN SPECIES OF THE GENUS ALEOCHARA GRAV. (COL., STAPHYLINIDAE). (GE)
A Strand A Vik
Norsk Entomol Tidsskr 15(2):105-110
1968 421 N812
Insect morphology, Reproductive organs, Staphylinidae.

1483-69
OBSERVATIONS ON THE INFRASTRUCTURE OF THE CRYSTALLINE CELLS IN THE EYE OF THE PHASMID CARAUSIUS MOROSUS BR. ARE THESE CELLS MADE OF SIMPLE DIOPTRIC ELEMENTS . (FR)
J Such
Acad Sci Compt Rend Ser D Sci Nat 268(2, 1ST SEMESTER):356-359
13 Jan 1969 505 P21
Carausius morosus, Electron microscopy, Eyes, Insect histology.

1484-69
METAMORPHOSIS IN THE INSECT WORLD. (GE)
A Suchantke
80P REF STUTTGART, WEST GERMANY, VERLAG FREIES GEISTESLEBEN
1965 QL494.5.S8
Arthropoda, Bees, Entomology, Insect anatomy, Insect physiology, Insects, Metamorphosis, Vertebrates.

1485-69
A CASE OF BACTERIAL EPIZOOTY IN A LARVAL POPULATION OF SELENEPHERE LUNIGERA ESP. (LEPIDOPTERA, LASIOCAMPIDAE).
G B Talalayeva
Entomol Rev 46(2 APR-JUN):191-192
1967 421 R322AE
Bacillus thuringiensis, Bacterial diseases (insects), Epizootic diseases, Larvae, Lasiocampidae, Tables (data). Translated from russian.

1486-69
CONTRIBUTION TO THE STUDY OF TEMPERATURE AND HUMIDITY FACTORS ON THE DURATION OF THE EMBRYONIC

DEVELOPMENT OF THE COLLEMBOLA HYPOGASTRURIDAE. (FR)
J M Thihaud
Rev Ecol Biol Sol 5(1):55-62 REF
Jan 1968 S590.R4
Collembola, Embryos, Humidity, Hypogastruridae, Insect physiology, Research, Tables (data), Temperature. Six species of Hypogastruridae are studied.

1487-69
MODE OF LIFE AND DIFFICULTIES IN THE REARING OF SCOPULA UMBELARIA HBN. (LEP. GEOM.). (GE)
E Urhahn
Entomol Gesell Basel 15(NOV-DEC):85-89
1965 QL461.E58
Caterpillars, Geometridae, Hibernation, Insect behavior, Insect nutrition, Insect rearing, Insect temperature, Scopula umbelaria, Zoogeography.

1488-69
THE CONSUMPTION AND UTILIZATION OF FOOD BY INSECTS.
G P Waldhauer
Advances Insect Physiol 5:229-288 REF
1968 420 AD9
Diet, Digestion, Energy, Environment, Food consumption, Insect nutrition, Insect physiology, Insects.

1489-69
COLONIZATION OF CULEX SALINARIUS IN THE LABORATORY.
R C Wallis L Whitman
Mosquito News 28(3):366-368
Sep 1968 421 M85
Culex, Insect biology, Insect colonization, Insect food, Photoperiodism.

1490-69
THE OCCURRENCE OF MYCOSIS IN MOSQUITOES. (GE)
J Weiser D Novak
Entomophaga Mem Hors Ser (2):149-150
1964 421 EN835M
Culex pipiens, Culicidae, Hibernation. English summary.

1491-69
THE NERVOUS CONTROL OF INSECT FLIGHT AND RELATED BEHAVIOR.
D M Wilson
Advances Insect Physiol 5:289-338 REF
1968 420 AD9
Aeridiidae, Aerodynamics, Insect behavior, Insect flight, Insect physiology, Lepidoptera, Nervous system, Odonata, Temperature, Wings (insects).

1492-69
HORMONAL TERMINATION OF LARVAL DIAPAUSE IN DERMACENTOR ALBIPICTUS.
J E Wright
Science 163(3865):390-391
24 Jan 1969 470 SCI2
Dermacentor albipictus, Diapause, Hormones, Insect morphology, Larvae.

1493-69
ON SOME FIBRIN-LIKE PROPERTIES OF THE SECRETION PRODUCTS OF THE SALIVARY GLAND OF THE CHIRONOMUS LARVA.
H Yoshimatsu M Uchara
Annat Zool Jap 41(3):107-112 REF
Sep 1968 410 AN79
Chironomus, Insect physiology, Larvae, Proteins, Salivary glands (insects), Secretion.

1494-69
STUDY OF THE CORPUS LUTEUM IN INSECT OVARIES BY FLUORESCENCE MICROSCOPY.
I A Yurgenson V S Teplykh
Entomol Rev 46(2 APR-JUN):174-178 REF
1967 421 R322AE
Corpus luteum, Fluorescence microscopy, Histochemistry, Insect morphology, Insect physiology, Ovaries, Oviposition, Population. Translated from Russian.

GENETICS

1495-69
BIOLOGICAL CONTROL OF INSECTS. (PE)
A Afshar H Kayvanfar
Tehran Univ Vet Fac J 24(2):128-131,134
Apr 1968 41.9 T23
Biological control (insects), Insect genetics, Reproduction. English summary.

1496-69
ALLOMORPHIC GROWTH PATTERNS IN RELATION TO SEX-LIMITED POLYMORPHISM IN SOME MYCOPHAGOUS TUBULIFERA (THYSANOPTERA).
T N Ananthakrishnan
Cur Sci 37(20):577-578
20 Oct 1968 475 SCI23
Insect genetics, Insect morphology, Insect physiology, Polymorphism, Thysanoptera.

1497-69
GENETICS OF NATURAL POPULATIONS. XXXIX. A TEST OF THE POSSIBLE INFLUENCE OF TWO INSECTICIDES ON THE CHROMOSOMAL POLYMORPHISM IN DROSOPHILA PSEUDOOBSCURA.
W W Anderson C Oshima T Watanahe T Dohzhansky O Pavlovsky
Genetics 58(3):423-434 REF
Mar 1968 442.8 G28
Chromosomes, Dieldrin, DDT, Drosophila pseudoohscura, Insect control, Insect genetics, Polymorphism, Population.

1498-69
CHROMOSOMAL POLYMORPHISM IN DROSOPHILA TETRACHAETA.
D S Angus
J Hered 59(5,SEP-OCT):289-299 MAP REF
Oct 1968 442.8 AM3
Chromosomes, Cytogenetics, Drosophila, Insect genetics, Polymorphism.

A cytological examination of Drosophila tetrachaeta chromosomes has revealed many inversions ofa highly polymorphic population.

1499-69
WHITE EYE, A NEW SEX-LINKED MUTANT OF AEDES AEGYPTI.
S C Bhalla
Mosquito News 28(3):380-385 REF
Sep 1968 421 M85
Aedes aegypti, Eyes, Insect biochemistry, Insect genetics, Ommochromes, Synthesis.

1500-69
KARYOTYPIC STABILITY AND SPECIATION IN HAWAIIAN DROSOPHILA.
H L Carson F E Clayton H D Stalker
Nat Acad Sci Proc 57(5):1280-1285 REF
May 1967 500 N21P
Chromosomes, Drosophila, Insect genetics, Insect morphology, Salivary glands (insects).

1501-69
SELECTION FOR AND AGAINST GREGARIOUSNESS IN THE CHOICE OF OVIPOSITION SITES OF THE DROSOPHILA PSEUDOOBSCURA.
E Del Solar
Genetics 58(2):275-282 REF
Feb 1968 442.8 G28
Drosophila pseudoobscura, Genes, Insect behavior, Insect eggs, Insect genetics, Insect morphology, Oviposition.

1502-69
MEIOSIS IV: SEGREGATION FROM INTERCHANGE MULTIVALENTS AS A MARKOV PROCESS.
L T Douglas
Genetica 39(3-4):429-455 REF
1968 442.8 G282
Drosophila melanogaster, Insect genetics, Markov chains, Mathematical analysis, Meiosis.

1503-69
MEIOSIS V: MATRIC AND PATH COEFFICIENT SOLUTIONS OF TRI--AND QUADRIVALENTS.
L T Douglas
Genetica 39(3-4):456-496 REF
1968 442.8 G282
Chromosomes, Drosophila melanogaster, Insect genetics, Mathematical analysis, Meiosis.

1504-69
SMALL-ANTENNA, A SEX-LINKED MUTANT OF AEDES AEGYPTI.
M A Dunn G B Craig
J Hered 59(2,MAR-APR):131-140 REF
Apr 1968 442.8 AM3
Aedes aegypti, Antennae, Chromosomes, Insect anatomy, Insect genetics, Mutation.

1505-69
SEX-RATIO DEPRESSION AS A BROOD-PATTERN CRITERION OF RADIATION DAMAGE IN DROSOPHILA MELANOGASTER.
A Hannah-Alava
Genetica 39(3-4):519-543 REF
1968 442.8 G282
Drosophila melanogaster, Insect genetics, Insect mutation, Radiation, Sex ratios.

1506-69
EVIDENCE FOR SPERM DYSFUNCTION AS THE MECHANISM OF SEGREGATION DISTORTION IN DROSOPHILA MELANOGASTER.
D L Hartl Y Hiraizumi J F Crow
Nat Acad Sci Proc 58(6):2240-2245 REF
Dec 1967 500 N21P
Cytogenetics, Demography, Drosophila melanogaster, Insect genetics.

1507-69
EVIDENCE AGAINST THE MUTAGENIC EFFECTS OF VIBRATION ON DROSOPHILA MELANOGASTER.
J F Kidwell M M Kidwell
J Hered 59(4,JUL-AUG):231-234 REF
Aug 1968 442.8 AM3
Drosophila melanogaster, Insect genetics, Insect mutation, Vibration.

This paper describes a series of experiments designed to investigate the effect of selected combinations of amplitude, frequency and duration of vibration on the induction of point mutations, primary non-disjunction in females and crossing over in males in Drosophila melanogaster.

1508-69
HOMEOTIC WING STRUCTURE IN THE LOBOID-ALLELE OPHTHALMOPTERA (LDOPH) IN DROSOPHILA MELANOGASTER. (GE)
H R Kobel
Genetica 39(3-4):329-344 REF
1968 442.8 G282
Alleles, Drosophila melanogaster, Eyes, Insect genetics, Insect morphology, Insect mutation, Wings (insects). English abstract

1509-69
FREQUENCY-DEPENDENT SELECTION AT THE ESTERASE 6 LOCUS IN DROSOPHILA MELANOGASTER.
K I Kojima K M Yarhrough
Nat Acad Sci Proc 57(3):645-649
Mar 1967 500 N21P
Alleles, Demography, Drosophila melanogaster, Electrophoresis, Esterases, Insect genetics, Polymorphism.

1510-69
PHENODEVIANTS AND THE CHROMOSOME FIELD THEORY IN DROSOPHILA.
G L Lee
Genetica 39(3-4):379-384

1968 442.8 G282
Chromosomes, Development, Drosophila melanogaster, Insect genetics, Insect mutation.

1511-69
TEMPERATURE SENSITIVITY OF SEGREGATION-DISTORTION IN DROSOPHILA MELANOGASTER.
E J Mange
Genetics 58(3):399-413 REF
Mar 1968 442.8 G28
Chromosomes, Drosophila melanogaster, Genes, Insect genetics, Meiosis, Temperature.

1512-69
CHROMOSOME STUDIES IN THE GENUS NABIS LT. (HETEROPTERA, NABIDAE).
M Mikolajski
Zool Pol 17(4):323-343 REF
1967 410 Z712
Chromosomes, Insect genetics, Microscopy, Mutation, Nabis.

1513-69
SALIVARY GLAND CHROMOSOME VARIATION IN THE DROSOPHILA AFFINIS SUBGROUP. I. THE C CHROMOSOME OF WESTERN AND EASTERN DROSOPHILA ATHABASCA.
D D Miller R A Voelker
J Hered 59(2,MAR-APR):87-98
Apr 1968 442.8 AM3
Chromosomes, Drosophila, Insect genetics, Mutation, Salivary glands (insects).

1514-69
SEX CHROMATIN OF THE GYPSY MOTH LYMANTRIA DISPAR AND THE MEAL MOTH EPHESTIA KUEHNIELLA. (GE)
G C Moshacher W Traut
Naturwissenschaften 55(7):349-350
Jul 1968 474 N213
Chromatin, Ephestia, Insect biochemistry, Insect genetics, Lymantriidae, Sex determination.

1515-69
THE REPLICATIVE ORGANIZATION OF DNA IN POLYTENE CHROMOSOMES OF DROSOPHILA HYDEI.
M P Mulder P Van Duijn H J Gloor
Genetica 39(3-4):385-428 REF
1968 442.8 G282
Chromosomes, Deoxyribonucleic acid, Drosophila hydei, Insect genetics, Radioactive tracers, Salivary glands (insects).

1516-69
SEX CHROMATIN OF A LOCUST. (GE)
W Nagl
Naturwissenschaften 55(3):138
Mar 1968 474 N213
Acrididae, Chromatin, Chromosomes, Insect genetics, Sex determination.

1517-69
A MOLECULAR APPROACH TO THE STUDY OF GENIC HETEROZYGOSITY IN NATURAL POPULATIONS, III. DIRECT EVIDENCE OF COADAPTATION IN GENE ARRANGEMENTS OF DROSOPHILA.
S Prakash R C Lewontin
Nat Acad Sci Proc 59(2):398-405 REF
Feb 1968 500 N21P
Chromosomes, Drosophila pseudoobscura, Electrophoresis, Enzymes, Insect genetics.

1518-69
A CONTRIBUTION TO THE GENETIC FINE STRUCTURE OF THE REGION ADJACENT TO WHITE IN DROSOPHILA MELANOGASTER.
R E Rayle M M Green
Genetica 39(3-4):497-507
1968 442.8 G282
Alleles, Chromosomes, Drosophila melanogaster, Insect genetics, Salivary glands (insects).

1519-69
GENETIC VARIABILITY IN THE GERMAN COCKROACH. III. EYE COLOR TRAITS AND LINKAGE DATA FOR THE CURLY, HOODED AND PALLID MUTANTS.
M H Ross D G Cochran
J Hered 59(2,MAR-APR):105-110 REF
Apr 1968 442.8 AM3
Blattella germanica, Color, Eyes, Insect genetics, Insect mutation.

1520-69
NONAUTONOMY IN DIFFERENTIATION OF PATTERN-DETERMINING GENES IN DROSOPHILA, I. THE SEX COMB OF EYELESS-DOMINANT.
C Stern C Tokunaga
Nat Acad Sci Proc 57(3):658-664
Mar 1967 500 N21P
Drosophila melanogaster, Genes, Insect genetics, Mutation.

1521-69
TEMPERATURE-SENSITIVE MUTATIONS IN DROSOPHILA MELANOGASTER, I. RELATIVE FREQUENCIES AMONG GAMMA-RAY AND CHEMICALLY INDUCED SEX-LINKED RECESSIVE LETHALS AND SEMILETHALS.
D T Suzuki L K Piternick S Hayashi M Tarasoff D Baillie Et Al
Nat Acad Sci Proc 57(4):907-912 REF
Apr 1967 500 N21P
Drosophila melanogaster, Insect genetics, Lethal factor, Mutation, Temperature.

1522-69
MORE ALLELISM TESTS IN HONEY BEES BY COMPOUND INSEMINATIONS.
K W Tucker H H Laidlaw
J Hered 59(2,MAR-APR):145-146
Apr 1968 442.8 AM3
Alleles, Apis mellifera, Color, Eyes, Insect genetics, Insemination.

New alleles for eye color in Apis mellifera were located by use of the compound insemination technique.

1523-69
BARRIERS TO GENE FLOW IN NATURAL POPULATIONS OF GRASSHOPPERS. I. THE BLACK CANYON OF THE GUNNISON RIVER AND ARPHIA CONSPERSA.
R B Willey R L Willey
Psyche 74(1):42-57 MAP
Mar 1967 421 P95
Demography, Genes, Grasshoppers, Insect genetics, Insect populations, Zoogeography.

1524-69
THE INFLUENCE OF SELECTION AND MATING SYSTEMS ON LARVAL WEIGHT IN TRIBOLIUM.
S P Wilson P V Blair W H Kyle A E Bell
J Hered 59(5,SEP-OCT):313-317
Oct 1968 442.8 AM3
Demography, Insect breeding, Insect genetics, Insect physiology, Larvae, Tribolium castaneum.

Population genetic experiments show an increase in larval weight with mass selection and a decrease in larval weight with only one of five mating schemes--that of inbreeding.

1525-69
ADAPTIVE CHROMOSOMAL POLYMORPHISM AND FLEXIBLE CONTROL OF RECOMBINATION BY PHRYNE CINCTA (DIPTERA, NEMATOCERA). (GE
B E Wolf
Zool Beitr 14(1-2):125-153 REF
1968 410 Z753
Chromosomes, Diptera, Insect cytology, Insect genetics, Polymorphism. English abstract

MEDICAL ENTOMOLOGY

1526-69
THE USE OF HELICOPTERS IN MOSQUITO CONTROL IN LOUISIANA.
C H Anderson
Mosquito News 28(3):326-328
Sep 1968 421 M85
Aerial insect control, Culicidae, Helicopters, Insect control.

Immediate inspection of mosquito breeding sites, efficient ULV spraying and personnel transportation are discussed as advantages of helicopter use in Louisiana's mosquito control program.

1527-69
THE EFFECTIVENESS OF REPELLENTS ON CLOTH AS DETERMINED BY OVIPOSITION OF AEDES AEGYPTI L..
M Bar-Zeev D Ben-Tamar
Mosquito News 28(3):396-403
Sep 1968 421 M85
Aedes aegypti, Biological assay, Deet, Insect repellents, Oviposition.

1528-69
A FIELD EVALUATION OF ABATE BRIQUETTES IN WOODLAND POOLS.
W W Barnes A B Wehh
Mosquito News 28(3):458-461
Sep 1968 421 M85
Abate, Aedes canadensis, Aquatic insects, Chemical control (insects), DDT, Lindane, Ponds, Seasonal variation.

1529-69
TESTS OF THE SUSCEPTIBILITY OF FLORIDA MOSQUITOES TO INSECTICIDES, 1967.
A H Boike C B Rathhurn
Mosquito News 28(3):313-316
Sep 1968 421 M85
Aedes, Culex, Insecticides, Larvae, Malathion, Naled.

The resistance of several species of Culex and Aedes to malathion and naled is discussed.

1530-69
ANALYSIS OF COMPARATIVE EFFECTS OF SELECTED CO2 FLOW RATES ON MOSQUITOES USING CDC LIGHT TRAPS.
R R Carestia K O Horner
Mosquito News 28(3):408-411 MAP
Sep 1968 421 M85
Aedes, Anopheles, Attractants, Carbon dioxide, Culex, Insect collecting equipment, Light traps.

1531-69
AN APPARENT INHIBITION PHENOMENON IN ANOPHELINE MOSQUITOES INFECTED WITH SINDBIS VIRUS.
W E Collins A J Harrison
Mosquito News 28(3):421-424
Sep 1968 421 M85
Anopheles, Disease transmission, Inhibitors, Insect vectors, Mice, Sindbis virus.

1532-69
IMPORTANCE OF PESTICIDES IN PREVENTIVE MEDICINE.
P C C Garnham
Roy Soc Proc Ser B, Biol Sci 167(1007):134-140 REF
21 Feb 1967 501 L84B
Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, DDT, Human diseases, Insect vectors, Insecticides, Lindane, Preventive medicine.

1533-69
A BIOASSAY METHOD FOR MEASURING MOSQUITO LARVICIDE DEPOSITIONS.
P A Gillies D J Womeldorf J D Walsh
Mosquito News 28(3):415-421
Sep 1968 421 M85
Biological assay, Chemical control (insects), Culicidae, Fenthion, Insect mortality, Larvae, Larvicides, Methodology, Parathion.

1534-69
PAPULAR ERUPTION SECONDARY TO THRIPS BITES.
N Goldstein G B Skipworth
Jama (j Amer Med Ass) 203(1):53-55
01 Jan 1968 448.9 AM37
Epidemiology, Human diseases, Insect pests, Skin, Symptomatology, Thrips.

1535-69
THE ROLE OF CONVECTION CURRENTS IN MOSQUITO ATTRACTION TO HUMAN SKIN.
A A Khan H I Maibach W G Strauss
Mosquito News 28(3):462-464
Sep 1968 421 M85
Aedes aegypti, Attractants, Host relationships, Humans, Skin, Temperature.

1536-69
MOSQUITO CONTROL IN CAPE MAY COUNTY THROUGH WATER LEVEL STABILIZATION.
B M Lafferty
Mosquito News 28(3):316-319
Sep 1968 421 M85
Aedes sollicitans, Culex pipiens, Cultural control (insects).

The installation of pumps to stabilize the water level in marshes in New Jersey for control of Aedes sollicitans and Culex pipiens is disenssed.

1537-69
CHLOROQUINE: RETENTION BY ANOPHELES STEPHENSI AFTER INGESTION IN A BLOOD MEAL.
B W Langer I. C Rutledge D J Gould
Mosquito News 28(3):455-458 REF
Sep 1968 421 M85
Anopheles stephensi, Blood meal, Chloroquine, Insect biochemistry, Insect physiology, Plasmodium.

1538-69
RESIDUAL ACTIVITY OF SEVERAL NEW INSECTICIDES TO ADULT ANOPHELES QUADRIMACULATUS IN ADOBE-LINED EXPERIMENTAL HUTS.
W Mathis H F Schoof
Mosquito News 28(3):412-415
Sep 1968 421 M85
Anopheles quadrimaculatus, Bromophos, Chemical control (insects), Diethyl 03,5,6-trichloro-2-pyridyl phosphorothioate, 0,0-, Epn, Insecticide residual activity, Insecticides, Isopropoxyphenyl methylcarbamate, o-, Mobam.

1539-69
THE BIONOMICS OF A MERMITHID NEMATODE OF LARVAL MOSQUITOES IN SOUTHWESTERN LOUISIANA.
J J Petersen H C Chapman D B Woodard
Mosquito News 28(3):346-352 REF
Sep 1968 421 M85
Catalogs, Culicidae, Ecology, Host relationships, Insect nematodes, Mermithidae, Nematode morphology.

1540-69
EXPERIMENTAL STUDIES ON THE MECHANICAL TRANSMISSION OF CHIKUNGUNYA VIRUS BY AEDES AEGYPTI.
T R Rao S D Paul K R P Singh
Mosquito News 28(3):406-408
Sep 1968 421 M85
Aedes aegypti, Chikungunya virus, Disease transmission, Epidemiology, Human diseases, Insect vectors.

1541-69
SUSCEPTIBILITY TO INSECTICIDES OF CERTAIN ANOPHELINES ACCORDING TO THE TIME OF CATCH AND TESTING.
A M Shalaby
Mosquito News 28(3):390 -396 MAP
Sep 1968 421 M85
Anopheles, Chemical control (insects), Dieldrin, DDT, Insecticide resistant insects, Temperature.

1542-69
INITIAL AND RESIDUAL ACTIVITY OF CIDIAL (PHENTHOATE) AGAINST MOSQUITOES AS COMPARED WITH THAT OF OTHER WELL-KNOWN PRODUCTS.
G Tomasinci G Michieli
Mosquito News 28(3):430-441
Sep 1968 421 M85
Chemical control (insects), Dieldrin, Fenthion, Heptachlor, Insecticide residues, Larvicides, Malathion, Phenthoate.

The author discusses the comparative initial and residual effects of nine insecticides on species of Culex, Aedes and Anopheles mosquitoes.

1543-69
THE HELICOPTER AS AN ECONOMICAL SPRAYER.
D C White B A Fentem
Mosquito News 28(3):331-332
Sep 1968 421 M85
Aerial spraying, Chemical control (insects), Culicidae, Economics, Helicopters.

CROP PROTECTION

1544-69
BIOLOGICAL CONTROL OF INTRODUCED FOREST INSECT PESTS.
Can Dep Forest Forest Prod Res Br Res News 11(5,SEP,OCT):11
1968 99.9 C1625F
Adelges piceae, Aphideeta obliterata, Biological control (insects), Forest insects, Insect pests, Leucopis, Olesicampe, Parasitic insects, Predaceous insects, Pristiphora erichsonii.

1545-69
ATKINSON, A ROOTKNOT AND FUSARIUM WILT RESISTANT TOMATO VARIETY OF THE RUTGERS CLASS.
W H Greenleaf
Hortsci 2(2,SUMMER):60-61
1967 SB1.H6
Crop varieties, Fungus diseases (plants), Fusarium, Plant disease resistance, Plant nematode resistance, Plant nematodes, Root knot, Tomatoes, Wilt.

1546-69
ISOLATION OF MICROORGANISMS FROM PRESERVATIVE-TREATED WOOD.
H L Morton J L Stewart G P Bruneau
19(1):38-41 REF
Jan 1969
Bacteria, Culture media, Lumber preservatives, Pentachlorophenol, Pinus ponderosa, Soil microorganisms, Wood decay.

1547-69
PRINCIPLES OF THE INTEGRATED CONTROL OF PLANT PESTS. (POL)
W Romankow
Ochrona Roslin 11(6):4-6
1967 464.8 OC32
Insect pests, Insecticides, Integrated control (insects), Plant diseases, Plant protection.

DISEASES

1548-69
EFFECTS OF TWO INHIBITORS OF PROTEIN SYNTHESIS ON THE MULTIPLICATION OF TOBACCO MOSAIC VIRUS AND TURNIP YELLOW MOSAIC VIRUS. (FR)
J Albouy H Lapierre
Acad Sci Compt Rend Ser D Sci Nat 268(1, 1ST SEMESTER):220-223 REF
06 Jan 1969 505 P21
Chloramphenicol, Cycloheximide, Protein synthesis, Tobacco, Turnips.

1549-69
IDENTITY OF TOMATO BIG BUD VIRUS AND EGG PLANT LITTLE LEAF VIRUS.
A Anjaneyulu K Ramakrishnan
Cur Sci 37(23):673-674
05 Dec 1968 475 SC123
Big bud, Cranberries, Eggplant, False blossom, Little leaf, Tomatoes.

1550-69
JOINT ANALYSIS OF EXPERIMENTS WITH COMMON TREATMENTS. (MAR)
H V de Arruda F Issa
Sao Paulo Inst Biol Arq 35(1,JAN-MAR):27-32
Mar 1968 442.9 SA6
Beans, Fungus diseases (plants), Statistical analysis, Uromyces phaseoli, English abstract.

1551-69
ON THE SENSITIVITY OF AZOTOBACTER TO SOME ANTIBIOTICS AND HERBICIDES.
N M Babak
Microbiology 37(2,MAR-APR):283-288 REF
Apr 1968 448.3 M582AE
Antibiotics, Azotobacter, Herbicides, Soil microorganisms, Surveys. Russian jurnal- Mikrobiologiya, vol. 37(2):338-344, Mar-Apr 1968

1552-69
PREPARATION OF NON-INFECTIOUS ARBOVIRUS ANTIGENS BY PHOTODYNAMIC INACTIVATION.
K Banerjee C N Dandawate
Cur Sci 37(19):556-557
05 Oct 1968 475 SC123
Antigens, Arboviruses, Chemistry, Photochemistry, Virus diseases (plants).

1553-69
DEGRADATION OF ALFALFA MOSAIC VIRUS BY PANCREATIC RIBONUCLEASE.
J F Bol H Veldstra
Virology 37(1):74-85 REF
Jan 1969 448.8 V81
Alfalfa, Degradation, Electrophoresis, Mosaic, Proteins, Ribonuclease, Ribonucleic acid, Virology, Virus diseases (plants).

1554-69
HISTOCHEMICAL LOCALIZATION OF THE SOLUBLE AMINE AND AMINOPEPTIDASE PRODUCTS IN THE NUTRIENT TISSUES OF THE CECIDOMYIID GALLS. (FR)
R Bronner
Acad Sci Compt Rend Ser D Sci Nat 268(5, 1ST SEMESTER):810-812
03 Feb 1969 505 P21
Amines, Aminopeptidase, Cecidomyiidae, Galium, Histochemistry, Plant galls, Urtiea.

1555-69
PLANT PATHOLOGY IN NEW ZEALAND.
E E Chamberlain
Rev Appl Mycol 48(1):1-10 REF
Jan 1969 450 R328
Fungus diseases (plants), Insect vectors, Plant nematodes, Research, Virus diseases (plants).

1556-69
A NEW SPECIES OF PHAEOPHLEOSPORA AFFECTING ACHRAS SAPOTA L.
B Chinnappa
Cur Sci 37(19):566
05 Oct 1968 475 SC123
Fungus diseases (plants), Sapodilla, Taxonomy.

1557-69
ON THE RELEASE OF A PRIMARY ONCOGENIC SUBSTANCE FROM THE TISSUES OF TOBACCO CROWN GALL BY X-RAYS. (FR)
M I A D Cunha
Acad Sci Compt Rend Ser D Sci Nat 268(2, 1ST SEMESTER):318-321 REF
13 Jan 1969 505 P21
Agrobacterium tumefaciens, Crown galls, Tobacco, X-rays.

1558-69
SOME EFFECTS OF THE SOUTHERN GREEN STINKBUG ON SOYBEANS.
R G Duncan J R Walker
La Agr 12(2,WINTER):10
1968 100 L939
Crop yields, Insect pests, Nezara viridula, Pentatomidae, Plant physiology, Soybeans, Statistical analysis, Tables (data).

1559-69
EXTRACTION, ASSAY AND PARTIAL PURIFICATION OF A FACTOR FROM TUMOROUS LEAVES THAT PROMOTES CROWN-GALL TUMOR GROWTH.
M D El Khalifa J A Lippincott
Physiol Plant 21(4):742-753
25 Jul 1968 450 P564 (1)
Agrobacterium tumefaciens, Crown galls, Kidney beans, Plant extracts.

1560-69
A NOTE ON TWO ISOLATES OF RHIZOCTONIA SOLANI KUHN FROM WHEAT.
E Elnur C G C Chesters
Plant Pathol 16(3):104-107 REF
Sep 1967 464.8 P692
Microorganisms, Morphology, Parasitism, Plant diseases, Rhizoctonia solani, Wheat.

1561-69
ON THE SPECIFICITY OF METARRHIZIUM ANISOPLIAE (METSCH.) SOROKIN (FUNGI IMPERFECTI) AS A FUNCTION OF ITS INSECT ORIGIN. (FR)
P Ferron T Diomande
Acad Sci Compt Rend Ser D Sci Nat 268(2, 1ST SEMESTER):331-332
13 Jan 1969 505 P21
Fungus diseases (plants), Insect vectors, Leptinotarsa decemlineata, Metarrhizium, Schistocerca gregaria.

1562-69
VARIETAL RESISTANCE OF EGGPLANT TO VERTICILLIUM WILT. (POR)
M B Figueiredo B P Bastos Cruz A P da Silveiria S G P da Silveira J B Bernardi
Sao Paulo Inst Biol Arq 35(1 JAN-MAR):9-15
Mar 1968 442.9 SA6
Crop varieties, Eggplant, Fungus diseases (plants), Plant disease resistance, Verticillium dahliae, Wilt. English abstract

1563-69
REPORT OF A STUDY TRIP TO SOME CITRUS AND FRUIT TREE CENTERS IN THE TROPICS AND SUBTROPICS. (DU)
I E Fong Poen
Surinam Dep Landbouw Veeteelt Visserij Versl Rap 65, 89P REF
May 1968 9.6 D952
Bibliography, Citrus, Plant diseases. Bibliography, p.62-89.

1564-69
ON THE STRUCTURE OF THE ABNORMAL NOPALINE METABOLITE IN CERTAIN CROWN GALL TUMORS. (FR)
A Goldmann D W Thomas G Morel
Acad Sci Compt Rend Ser D Sci Nat 268(5, 1ST SEMESTER):852-854
03 Feb 1969 505 P21
Agrobacterium tumefaciens, Arginine, Crown galls, Opuntia, Plant biochemistry, Plant physiology.

1565-69
EFFECT OF INFECTION BY HYPOMYCES SOLANI F. SP. CUCURBITAE ON APPARENT FREE SPACE, CELL MEMBRANE PERMEABILITY, AND RESPIRATION OF SQUASH HYPOCOTYLS.
J G Hancock
Plant Physiol 43(10):1666-1672 REF
Oct 1968 450 P692
Amino acids, Cell wall, Cucurbita maxima, Fungus diseases (plants), Hypocotyls, Hypomyces solani, Lesions, Permeability, Plant physiology, Respiration, Squash, Symptomatology, Tables (data).

1566-69
OAT SEED FUNGI AND THEIR CONTROL.
L D Hausing A Hartley
Ass Off Seed Anal Proc 56:143-147
1966 61.9 AS7
Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Oats, Seed treatment. 50 species of fungi isolated.

1567-69
THE PHYSIOLOGY, INTER-RELATIONSHIPS AND EFFECTS ON THE WOOD OF FUNGI WHICH ATTACK BIRCH AND ASPEN PULPWOOD.
B Henningsson
Acta Univ Upsal Abs Uppsala Diss Sci (100):10P REF
1967 TA422.H4
Betula pendula, Betula pubescens, Fungus diseases (plants), Microorganisms, Plant hardiness, Plant physiology, Populus tremuloides, Storage injuries, Wood destroying fungi.

1568-69
RESISTANCE OF TOMATO LINES TO TMV.
G E Holcomb G D Lindberg T P Hernandez
La Agr 12(1,FALL):14-15
1968 100 L939
Crop varieties, Mosaic, Plant breeding, Plant disease resistance, Tobacco, Tomatoes, Virus diseases (plants).

1569-69
STUDY OF PINOCYTOSIS IN THE TISSUES OF THE ROSACEAE LEPTOMONAS CTENOCEPHALI. (FR)
J M Jadin J Creemers
Acta Trop 25(4):363-366
1968 475 AC8
Flagella, Microscopy, Morphology, Pinocytosis, Plant diseases, Rosaceae, Trypanosomidae.

1570-69
IS IT WORTH PROTECTING POTATO AGAINST INFECTION. (POL)
A Jagielski
Ochrona Roslin 11(6):10-12
1967 464.8 OC32
Agricultural economics, Plant diseases, Plant protection, Potatoes.

1571-69
VIRULENCE OF VARIOUS GROUPS OF PHYSIOLOGICAL RACES OF LOOSE SMUT OF BARLEY USTILAGO NUDA (JENS.) ROSTR.) IN THE LIGHT OF ANATOMICAL INVESTIGATIONS OF SPRING BARLEY VARIETIES DIFFERENT WITH REGARD TO RESISTANCE. 3. THE EFFECT OF INFECTION UPON MORPHOLOGICAL FEATURES OF PLANTS. (POL
W Kozera
Hodowla Roslin Aklimatyzacja Nasiennictwo 11(4):385-408
1967 64.8 H66
Barley, Crop varieties, Fungus diseases (plants), Growth factors, Loose smut, Mycelium, Plant disease resistance, Plant morphology, Plant physiology, Ustilago nuda. English and Russian summary.

1572-69
LOCALIZATION OF TOBACCO MOSAIC VIRUS PROTEIN IN TOBACCO LEAF CELLS DURING THE EARLY STAGES OF INFECTION.
W G Langenberg D E Schlegel
Virology 37(1):86-93 REF
Jan 1969 448.8 V81
Antibodies, Autoradiography, Cells, Iodine isotopes, Leaves, Mosaic, Proteins, Tobacco, Virology, Virus diseases (plants).

1573-69
OBSERVATIONS ON THE TIMING OF IRRIGATION AND THE INCIDENCE OF POTATO COMMON SCAB (STREPTOMYCES SCABIES).
D H Lapwood B G Lewis
Plant Pathol 16(3):131-135
Sep 1967 464.8 P692
Bacterial diseases (plants), Irrigation, Plant disease control, Potatoes, Soil moisture, Streptomyces scabies.

1574-69
INCREASE OF TOBACCO MOSAIC LOCAL LESION SIZE AND VIRUS MULTIPLICATION IN HYPERSENSITIVE HOSTS IN THE PRESENCE OF ACTINOMYCIN D.
G Loebenstein B Sela I Van Praagh
Virology 37(1):42-48 REF
Jan 1969 448.8 V81
Actinomycin d, Antibiotics, Cucumbers, Drug therapy, Kidney beans, Mosaic, Tobacco, Virology, Virus diseases (plants).

1575-69
A NEW VIRUS OF CELERY (APIUM GRAVEOLENS L.). (IT)
E Luisoni
Turin Univ Fac Sci Agr Raccolta Mem 14(565,1966-1967):541-544
1967 105.4 T842
Celeriac, Celery, Host indexing (plants), Latent virus, Myzus persicae, Plant disease transmission, Virus diseases (plants). Herein named celery latent virus; tests with M. persicae inconclusive, but sap inoculation successful in 15 species. English summary.

1576-69
RECORD OF VERTICILLIUM WILT OF COTTON IN MADRAS STATE.
M K Natarajan K Sivaprakasam K Ramakrishnan
Madras Agr J 55(10):455-457
Oct 1968 22 M262
Cotton, Eggplant, Fungus diseases (plants), Plant protection, Verticillium alho-atrum, Wilt.

1577-69
STUDIES ON SCLEROTIUM ROT OF MINTS.
V R Pandotra K S M Sastry
Inc Acad Sci Proc 68(1):9-10
Jul 1968 513 IN25B
Fungus diseases (plants), Mentha, Pathogenicity, Sclerotium rolfsii, Symptomatology.

1578-69
JUNCTIONS BETWEEN EPIDERMAL CELLS AS SITES OF APPRESSORIUM FORMATION BY PLANT PATHOGENIC FUNGI.
T F Preece G Barnes J M Bayley
Plant Pathol 16(3):117-118
Sep 1967 464.8 P692
Cauliflower, Cells, Conidia, Erysiphe polygoni, Fungus diseases (plants), Leaves, Microbiology, Peronospora parasitica, Plant injuries, Plant physiology, Red clover.

1579-69
A NEW CERCOSPORA LEAF SPOT OF CARDAMOM.
G Rangaswami V S Seshadri K A L Channamma
Cur Sci 37(20):594-595
20 Oct 1968 475 SCI23
Cercospora, Elettaria cardamomum, Fungus diseases (plants), Leaf spot, Plant physiology.

1580-69
DEVELOPMENTS IN THE CONTROL OF TEA PESTS.
G N Rao
United Planters Ass Southern India Tea Sci Dep Bull (26):15-23 REF
01 Sep 1967 68.19 UN3B
Chemical control (pests), Economics, Fungicides, Insect pests, Insecticides, Pest control, Plant injuries, Plant protection, Tea.

1581-69
RESEARCH ON THE PHYSIOLOGICAL MODIFICATIONS BROUGHT ABOUT BY THE VIRUS OF TOBACCO MOSAIC IN NORMAL AND TUMOR TISSUE OF TOBACCO GROWN IN VITRO . (FR)
M Rouchanzamir-Hedjazi

Rev Gen Bot 65(886/887 MAR-APR):227P REF
1968 450 R326
Agrobacterium tumefaciens, Crown galls, Ethanolamine, Growth factors, Mosaic, Plant biochemistry, Plant physiology, Plant tissue, Tissue culture, Tobacco, Virus diseases (plants). English summary.

1582-69
ALFALFA VARIETY TESTS IN CENTRAL CALIFORNIA.
C A Schoner T S Torngren V L Marble W R Sheesley E F Nourse
Calif Agr 21(6):13-15
Jun 1967 100 C12CAG
Acyrthosiphon pisum, Alfalfa, Downy mildew, Plant breeding, Plant disease resistance, Plant dormancy, Plant pest resistance, Therioaphis maculata.

1583-69
A NOTE ON THE OCCURRENCE OF WATER-CORE BREAKDOWN IN APPLES DURING 1966.
R O Sharples
Plant Pathol 16(3):119-120
Sep 1967 464.8 P692
Apples, Calcium, Fruit, Magnesium, Minerals, Plant diseases, Plant nutrition, Potassium.

1584-69
IN VIVO REMOVAL OF PROTEIN FROM TOBACCO MOSAIC VIRUS AFTER INOCULATION OF TOBACCO LEAVES. II. SOME CHARACTERISTICS OF THE REACTION.
J G Shaw
Virology 37(1):109-116 REF
Jan 1969 448.8 V81
Cycloheximide, Leaves, Mosaic, Proteins, Ribonucleic acid, Temperature, Tobacco, Virology, Virus diseases (plants).

1585-69
VARIETAL RESISTANCE OF COTTON TO FUSARIUM WILT. (POR)
A P Silveira B P Bastos Cruz S G P Silveira W B Toffano
Soo Paulo Inst Biol Arq 34(1 JAN-MAR):59-68 REF
Mar 1967 442.9 SA6
Cotton, Crop varieties, Fusarium oxysporum vasinfectum, Plant disease resistance, Wilt. English abstract

1586-69
EFFECT OF DIFFERENT DATES OF SOWING ON YIELD, DISEASE RESISTANCE AND OTHER CHARACTERISTICS OF AMERICAN COTTON VARIETIES.
K M Simlote R P Bhardwaj
Indian Agr 11(2):103-108
Jul 1967 22 IN294
Angular leafspot, Cotton, Crop varieties, Crop yields, Irrigation, Plant disease resistance, Plant morphology, Planting date.

1587-69
FREE AMINO-ACIDS IN HEALTHY AND VIRUS-INFECTED CHRYSANTHEMUM.
B P Singh A K Mishra
Cur Sci 37(21):619-620 REF
05 Nov 1968 475 SCI23
Amino acids, Chrysanthemum, Plant biochemistry, Plant physiology, Virus diseases (plants).
This article discusses the free amino acid contents of tolerant, mildly susceptible and very susceptible chrysanthemums after inoculation with stunt virus. The free amino acid content decreased in direct proportion to the susceptibility of the plants.

1588-69
GRASSY SHOOT DISEASE OF SUGARCANE. II HOT-AIR THERAPY.
K Singh
Cur Sci 37(20):592-594
20 Oct 1968 475 SCI23
Grassy shoot, Heat, Sugarcane, Virus diseases (plants).

1589-69
NEW CONTROLS FOR PEACH FUNGUS DISEASES.
J C Taylor N L Horn R S Woodward
La Agr 12(2,WINTER):12-13
1968 100 L939
Anthracnose, Brown rot, Citrus, Fungicides, Fungus diseases (plants), Humidity, Peaches, Plant physiology, Rhizopus, Scab, Tables (data). 11 fungicides were tested.

1590-69
TRACE ELEMENT STUDIES ON SOME PATHOGENIC FUNGI.
K S Thind C L Mandahar
Inc Acad Sci Proc 68(1):37-51 REF
Jul 1968 513 IN25B
Biochemistry, Fungi, Micronutrients, Microorganisms.

1591-69
SCLEROSPORA GRAMINICOLA AXENIC CULTURE.
M M Tiwari H C Arya
Science 163(3864):291-293
17 Jan 1969 470 SCI2
Casein hydrolyzates, Culture media, D, 2,4-, Downy mildew, Fungus diseases (plants), Kinetin, Pearlmillet, Sclerospora graminicola.

1592-69
TROUBLES WITH POTATO BLIGHT. (POL)
J W.
Ochrona Roslin 11(6):19-22
1967 464.8 OC32
Blight, Fungus diseases (plants), Plant protection, Potatoes.

1593-69
IRON IN CITRUS PRODUCTION.
E F Wallihan M J Garber
Calif Agr 21(6):6-8
Jun 1967 100 C12CAG
Citrus, Deficiency diseases, Dieback, Iron, Oranges, Plant nutrition.

1594-69
PHENOLOGICAL OBSERVATIONS ON THE FUNGI OF THE TREES AND SHRUBS IN THE PARK OF THE EXPERIMENTAL FARM KONICZYNKA NEAR TORUN. (POL)
E Weber-Czerwinska
Soc Sci Torunensis Stud Sect D (bot) 8(3):96P REF
1967 451 T65
Climate, Deuteromycetes, Fungus diseases (plants), Mycoflora, Mycology, Parasitism, Plant taxonomy, Saprophytes, Shrubs, Trees. English summary.

1595-69
THE BIOSYNTHESIS OF TOBACCO MOSAIC VIRUS RNA: RELATIONSHIPS TO THE BIOSYNTHESIS OF VIRUS-SPECIFIC RIBONUCLEASE-RESISTANT RNA.
J C Woolum G B Shearer B Commoner
Nat Acad Sci Proc 58(3):1197-1204 REF
Sep 1967 500 N21P
Biosynthesis, Plant biochemistry, Ribonuclease, Tobacco mosaic virus.

ARTHROPODS

1596-69
INVESTIGATIONS OF EFFECTS AND EFFECT MECHANISMS OF SEED TREATMENT PREPARATIONS ON LEAF EATING BEETLES.
E S H Abdel-Krim
Giessen Justus- Liebig- Univ Landwirt Fak 126P REF
1967 105.8 G36
Crop varieties, Formulations, Gases, Growth factors, Insecticide application, Insecticides, Phyllotreta, Plant physiology, Roots, Seed treatment, Sitona lineata.

1597-69
A PRELIMINARY ACCOUNT OF PESTS OF APPLE IN MADRAS.
E V Abraham M D Padmanaban
Madras Agr J 55(10):434-440
Oct 1968 22 M262
Aphelinus mali, Apples, Insect pests, Insecticides, Mites, Organophosphorus compounds, Parasitic insects.

1598-69
SWEETCLOVER-WEEVIL FEEDING DETERRENT B: ISOLATION AND IDENTIFICATION.
W R Akeson F A Haskins H J Gorz
Science 163(3864):293-294
17 Jan 1969 470 SCI2
Ammonium compounds, Chromatography, Feeding, Insect identification, Leaves, Melilotus infesta, Nitrates, Plant pest resistance, Sitona cylindricollis.

1599-69
THE RATE OF CROWN FADE OF TREES KILLED BY THE DOUGLAS-FIR BEETLE IN SOUTHWESTERN OREGON.
P G Belluschi N E Johnson
J Forest 67(1):30-32
Jan 1969 99.8 F768
Dendroctonus pseudotsugae, Mortality, Plant injuries, Pseudotsuga menziesii.

1600-69
MOVEMENTS OF LARVAE OF ACANTHOSCELIDES OBTECTUS SAY (COL., BRUCHIDAE). I. THE CASE OF A SINGLE LAYER OF GRAIN. (FR)
Y De Luca
Entomol Brr 28(10):197-199
01 Oct 1968 420 N38B
Acanthoscelides obtectus, Grain, Insect physiology, Larvae, Locomotion.

1601-69
MEMBRANE FEEDING AND INFECTIVITY NEUTRALIZATION USED IN A SEROLOGICAL COMPARISON OF POTATO LEAF ROLL AND BEET WESTERN YELLOWS VIRUSES.
J E Duffus A H Gold
Virology 37(1):150-153 REF
Jan 1969 448.8 V81
Beets, Feeding, Insect vectors, Leaf roll, Myzus persicae, Potatoes, Serological tests, Virology, Virus diseases (plants).

1602-69
LIGHT TRAPS AS DETECTION DEVICES FOR MOTHS OF CABBAGE LOOPER AND BOLLWORM.
L A Falcon R van den Bosch L K Etzel C A Ferris
Calif Agr 21(7):12-14
Jul 1967 100 C12CAG
Cabbage, Cotton, Heliothis zea, Insect eggs, Insect traps, Larvae, Light traps, Moths, Trichoplusia ni.

1603-69
SPRUCE BUDWORM LARVAE DAMAGE WESTERN LARCH CONES AND SEEDS.
D G Fellin R C Shearer
J Forest 66(7):568-570
Jul 1968 99.8 F768
Choristoneura fumiferana, Cones, Larix occidentalis, Larvae, Seeds, Tree injuries.

1604-69
APHIDS AND THE INCREASE OF POTATO LEAF ROLL VIRUS IN SEED POTATOES ON THE WOLDS OF THE EAST RIDING OF YORKSHIRE.
J H Fidler J R A Weild G Murdoch
Plant Pathol 16(3):97-103
Sep 1967 464.8 P692
Aphididae, Insect vectors, Leaf roll, Potatoes, Seedlings, Virus diseases (plants).

1605-69
FOREST TREE AND TIMBER INSECT PESTS IN THE TERRITORY OF PAPUA AND NEW GUINEA.

B Gray
Pacific Insects 10(2):301-323 REF MAP
1968 421 P11
Catalogs, Chemical control (insects), Forest insects, Insect biology, Insect control, Zoogeography.

A list of 52 insects of economic importance to forests of Papua and New Guinea with notes on their distribution and biology are presented.

1606-69
THE OVERWINTERING OF APHIDS AND VIRUSES ON SUGAR BEET SEED CROPS IN ENGLAND, 1963-1966.
G D Heathcote
Plant Pathol 16(3):126-130 MAP
Sep 1967 464.8 P692
Aphididae, Aphis fabae, Chemical control (insects), Crops, Insect vectors, Insecticides, Myzus persicae, Seedlings, Sugar beets, Virus diseases (plants).

1607-69
TREE PHYSIOLOGY AND FOREST PESTS.
T T Kozlowski
J Forest 67(2):118-123 REF
Feb 1969 99.8 F768
Fungus diseases (plants), Plant metabolism, Plant pests, Plant physiology, Trees.

1608-69
AN INFESTATION OF HYACINTH BULBS IN THE PROPAGATING ROOM BY FRANKLINIELLA SCHULTZEI TRYBOM. (DU)
W P Mantel
Entomol Ber 28(6):106-108
01 Jun 1968 420 N38B
Chemical control (insects), Cyanides, Frankliniella, Fumigants, Hyacinthus. English abstract

1609-69
PESTS OF FLOWERING TREES.
J Maynard
Gardeners Chron 164(5):20-21
02 Aug 1968 80 G162
Insect pests, Ornamental trees, Trees.

1610-69
PRELIMINARY RESULTS IN THE CHEMICAL CONTROL OF THE WHITE LOUSE, UNASPIS CITRI COMST., ON CITRUS. (SP)
C C Mejia
Agr Trop 24(9):529-535
Sep 1968 26 AG8
Chemical control (insects), Citrus, Diaspididae, Endosulfan, Malathion, Phosphamidon.

1611-69
BEHAVIOR OF TOBACCO BUDWORM LARVAE ON FLUE-CURED TOBACCO AND POSSIBILITIES OF IMPROVING THE EFFECTIVENESS OF INSECTICIDAL TREATMENTS APPLIED MECHANICALLY FOR CONTROL.
W J Mistric F D Smith
J Econ Entomol 62(1):16-21
17 Feb 1969 421 J822
Chemical control (insects), Flue-cured tobacco, Heliothis virescens, Insect behavior, Insect pests, Insecticides, Larvae, Spraying, Zoogeography.

1612-69
PRELIMINARY TRIAL WITH SEVEN ACARICIDES FOR THE CONTROL OF MITES AT THE BASE OF PINEAPPLE LEAVES. (SP)
J Pardo S L Posada O
Agr Trop 24(9):567-572
Sep 1968 26 AG8
Acaricides, Chemical control (insects), Mites, Pineapples.

1613-69
CONTROL OF MITES IN TEA RESULTS IN INCREASED YIELDS.
G N Rao H Subramanian
Planters Chron 63(21):412-413
01 Nov 1968 22 P693
Binapacryl, Chemical control (insects), Chlorobenzilate, Crop yields, Dicofol, Ethion, Insect pests, Mites, Tea.

1614-69
THE IMPORTANCE OF PESTICIDES IN INDIAN FOOD PRODUCTION.
D B Reddy
Roy Soc Proc Ser B, Biol Sci 167(1007):145-154 REF
21 Feb 1967 501 L84B
Chemical control (insects), Chemical control (weeds), Chlorinated hydrocarbons, Food industry, Herbicides, Insect vectors, Insecticides, Pesticides, Predaceous insects.

1615-69
SCALE INSECTS, MEALY BUGS AND LAC INSECTS.
Rubber Res Inst Malaya Plant Bull 98:146-152
Sep 1968 78.9 R825
Biological control (insects), Coccoidea, Host relationships, Insect identification, Oil sprays, Plant injuries, Plant pest control.

1616-69
THE IMPORTANCE OF PESTICIDES IN BRITISH FOOD PRODUCTION.
H Sanders
Roy Soc Proc Ser B, Biol Sci 167(1007):141-144
21 Feb 1967 501 L84B
Agricultural economics, Farm management, Herbicides, Pesticides.

1617-69
DOMESTIC QUARANTINE NOTICES. JAPANESE BEETLE. REGULATED AREAS.
D R Shepherd
Fed Regist 33(252,PT 1):19939-19942
28 Dec 1968 L1.451
Agricultural regulation, Geography, Insect control, Insect pests, Plant quarantine, Popillia japonica.

1618-69
DOMESTIC QUARANTINE NOTICES. EUROPEAN CHAFER. REGULATED AREAS.
D R Shepherd
Fed Regist 34(20,PT 1):1435
30 Jan 1969 L1.451
Agricultural regulation, Amphimallon majalis, Geography, Insect control, Insect pests, Plant quarantine.

1619-69
NATURAL ENEMIES OF FALL WEBWORM (HYPANTHRIA CUNEA DR.) IN NORTH AMERICA.
M D Tadic
Entomophaga 8(4):245-252
1963 421 EN835
Beneficial insects, Biological control (insects), Hyphantria cunea, Natural control (insects), Spiders.

1620-69
A STUDY OF OVIPOSITION SITE, MORTALITY AND MIGRATION IN THE FIRST (OVERWINTERING) GENERATION OF LYGOCORIS PABULINUS (FALLEN) (HETEROPTERA: MIRIDAE) ON BLACKCURRANT SHOOTS (1966-7).
J A Wightman
Entomologist (london) 101(1267):269-275
Dec 1968 421 EN8
Currants, Host relationships, Insect migration, Miridae, Mortality, Oviposition.

NEMATODES

1621-69
THE SOYBEAN CYST NEMATODE THREAT.
S A Breth
Crops Soils 21(1):7-14 MAP
Oct 1968 6 W55
Crop varieties, Heterodera glycines, Parasitism, Plant nematodes, Plant pest resistance, Plant protection, Seeds, Soils, Soybeans, Wind.

1622-69
THE DETERMINATION OF THE NUMBER OF SUCCESSIVE GENERATIONS HETERODERA SCHACHTII DURING ONE VEGETATION PERIOD IN SLOVAKIA (CSSR). (GE)
J Curi I Zmoray
Helminthologia 7(1/4):245-254
1966 436.8 H36
Climate, Ecology, Helminthology, Heterodera schachtii, Plant nematodes, Reproduction. English and Russian summaries.

1623-69
DESICCATION SURVIVAL IN THE PLANT PARASITIC NEMATODES, HETERODERA ROSTOCHIENSIS WOLLENWEBER AND DITYLENCHUS DIPSACI (KUHN) FILIPJEV.
C Ellenby
Roy Soc Proc Ser B, Biol Sci 169(1015):203-213 REF
16 Jan 1968 501 L84B
Ditylenchus dipsaci, Drying, Eggs, Heterodera, Larvae, Mortality, Plant nematodes.

1624-69
AN ATTEMPT AT ANALYSING THE PROCESS OF PENETRATION BY SOIL NEMATODES INTO PLANTS.
H Sandner
Ekol Pol Ser A (SER A)15(28):5P
1967 512 W263
Beans, Greenhouse culture, Nematodes, Penetration, Plant morphology, Plant physiology, Saprophagous insects, Soil analysis, Soil insects. Polish summary.

1625-69
THREADWORMS AND THE PLANT PROTECTION. (POL)
H Sandner
Ochrona Roslin 11(6):7-9
1967 464.8 OC32
Plant nematodes, Plant protection, Strongyloides.

1626-69
DOMESTIC QUARANTINE NOTICES. SOYBEAN CYST NEMATODE. REGULATED AREAS.
D R Shepherd
Fed Regist 34(6):305-313
09 Jan 1969 L1.451
Agricultural regulation, Geography, Heterodera glycines, Legislation, Plant nematodes, Plant quarantine, Soybeans.

1627-69
ANALYSIS OF THE OCCURRENCE OF NEMATODES IN ALFALFA CROPS. III. SOME OBSERVATIONS ON AGE STRUCTURE.
L Wasilewska
Ekol Pol Ser A (SER A):15(18):8P
1967 512 W263
Aging, Alfalfa, Animal ecology, Insect morphology, Larvae, Plant nematodes, Plant physiology, Soil analysis, Tables (data). Polish summary.

1628-69
ANALYSIS OF THE OCCURENCE OF NEMATODES IN ALFALFA CROPS. II. ABUNDANCE AND QUANTITATIVE RELATIONS BETWEEN SPECIES AND ECOLOGICAL GROUPS OF SPECIES.
L Wasilewska
Ekol Pol Ser A (SER A)15(15):25P REF
1967 512 W263
Alfalfa, Animal ecology, Nematodes, Plant nematodes, Quantitative analysis, Rainfall, Soil analysis, Temperature. Polish summary.

1629-69
ANALYSIS OF THE OCCURRENCE OF NEMATODES IN ALFALFA CROPS. I. SPECIES COMPOSITION OF NEMATODES IN TWO ALFALFA CROPS OF DIFFERENT AGE AND PENETRATION OF SPECIES FROM SOIL TO PLANTS.
L Wasilewska
Ekol Pol Ser A 15(2):31-74 REF

1967 512 W263
Alfalfa, Crop varieties, Ecology, Nematodes, Quantitative analysis, Soil analysis, Tables (data). Polish summary

1630-69
SMALL DOSES OF D-D SOIL FUMIGANT TO CONTROL FREE-LIVING NEMATODES INJURIOUS TO SUGAR BEET.
A G Whitehead D J Tite
Plant Pathol 16(3):107-109
Sep 1967 464.8 P692
Barley, Chemical control (nematodes), Dichloropropane dichloropropene mixture, Dosage, Pesticide application, Plant injuries, Plant nematodes, Sandy soils, Soil fumigation, Sugar beets

WEEDS

1631-69
BIOLOGICAL CONTROL FOR DWARF MISTLETOE.
Can Dep Forest Forest Prod Res Br Res News 11(5,SEP-OCT):10
1968 99.9 C1625F
Arceuthobium, Biological control (weeds), Colletotrichum gloeosporioides, Fungus diseases (plants), Parasitic plants, Pinus contorta latifolia, Septogloeum gillii, Wallrothiella arceuthobii.

1632-69
INFLUENCE OF CROP SEQUENCE, NITROGEN FERTILIZER AND HERBICIDES ON WEED SEED POPULATIONS IN SUGAR BEET FIELDS.
A D Dotzenko M Ozkan K R Storer
Agron J 61(1,JAN-FEB):34-37 REF
Feb 1969 4 AM34P
Crop rotation, Fertilizers, Herbicides, Nitrogen compounds, Seeds, Sugar beets, Weed control.

1633-69
INDICES OF WEED-CROP INTERFERENCE IN ZEA MAYS LINN.
O P Gupta M M Jain R M Singh
Indian J Agron 13(2):128-129
Jun 1968 22 IN235
Carbamates, Chemical control (weeds), Corn, Ethyl N,N-dipropylthiocarbamate, Herbicides, Linuron, Nitrogen, Plant ecology, Simazine, Weeds.

1634-69
THE CHEMICAL CONTROL OF SOME AQUATIC PLANTS.
R C Hiltibran
Midwest Reg Turf Conf Proc 1968 MEETING:36-41
04 Mar 1968 60.19 M58
Aquatic plants, Chemical control (weeds), Herbicides, Toxins. There is a list of herbicides for post emergence application.

1635-69
CONTROLLING WEEDS IN CARROTS.
V S Mani P N Arora K C Gautam
Indian Hort 12(2,JAN-MAR):12,35
1968 80 IN23
Carrots, Chemical control (weeds), Chloroxuron, Herbicides, Soil sanitation, Weed control.

1636-69
WHY IS THE NAVY CONCERNED WITH WEED CONTROL .
M T Palermo
Pest Contr Oper News 27(12):15,30
Dec 1967 SB951.A1P4
Herbicides, Insect breeding, Public health, Turf, Water, Weed control.

1637-69
CHEMICAL WEED CONTROL IN STRAWBERRY PLANTATIONS. (POL)
H Pejka B Hojden B Kostowska
Ochrona Roslin 11(4):19-21
1967 464.8 OC32
Chemical control (weeds), Herbicides, Plant protection, Plantations, Strawberries, Weeds.

1638-69
ECONOMIC ESTIMATION OF CHEMICAL WEED CONTROL OF SUGAR BEET. (POL
J Rola
Ochrona Roslat 11(4):3-5
1967 464.8 OC32
Agricultural economics, Chemical control (weeds), Plant protection, Sugar beets, Weed control.

1639-69
HERBICIDE RESEARCH AND FINESSE.
H Watkins
Midwest Reg Turf Conf Proc 1968 MEETING:35-36
04 Mar 1968 60.19 M58
Absorption, D, 2,4-, Herbicides, Humidity, Plant physiology, Plant regulators, Soil analysis, Temperature, Turf, Weed control.

OTHER PESTS

1640-69
FURTHER OBSERVATIONS ON THE SUSCEPTIBILITY OF MAINCROP POTATO CULTIVARS TO SLUG DAMAGE.
A L Winfield L R Wardlow B F Smith
Plant Pathol 16(3):136-138
Sep 1967 464.8 P692
Economic plants, Plant injuries, Plant pest resistance, Potatoes, Slugs.

LIVESTOCK PROTECTION

1641-69
FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. DIETHYLSTILBESTROL.
J K Kirk
Fed Regist 34(5):252-253
L1.451
Diethylstilbestrol, Drugs, Feed, Food, Food additives, Humans, Legislation, Sheep, Water.

1642-69
INACTIVATION OF THE PHAGES OF STAPHYLOCOCCUS AUREUS BY HYDROXYLAMINE.
J Pillich Z Hradecna J Doskocil
Int J Radiat Biol 14(4):299-305 REF
29 Nov 1968 444.8 IN8
Bacteriophages, Culture media, Deoxyribonucleic acid, Hydroxylamine, Serological tests, Staphylococcus aureus. Germany and French summary.

1643-69
PARASITIC AND ECOLOGICAL STUDY OF THE SMALL MAMMALS (INSECTIVORES AND RODENTS) OF THE ALLONDON VALLEY (GENEVA). (FR)
E Wahl
Rev Suisse Zool 74(1):129-188 MAP REF
May 1967 410 R324
Ecology, Insect taxonomy, Nematodes, Parasites, Rodents, Surveys, Zoogeography. English and German abstracts

DISEASES

1644-69
VENTURIA PIRINA ADERH.; PEAR (PYRUS COMMUNIS), ED. 2.
Commun Mycol Inst Distrib Maps Plant Dis 367, P MAP
08 Jan 1968 464.9 IM7
Pears, Plant geography, Venturia pirina. Distribution is worldwide

1645-69
A WARM HEMAGGLUTININ INDUCED IN CHICKENS BY INOCULATION WITH MYCOPLASMA GALLISEPTICUM.
H F Adler A J DaMassa
Soc Exp Biol Med Proc 130(2):480-483
Feb 1969 442.9 SO1
Chickens, Fluorescent antibody technic, Hemagglutination, Immunization, Mycoplasma gallisepticum.

1646-69
ANEMIA OF SUCKLING PIGS. (PE)
R Alai
Tehran Univ Vet Fac J 24(2):116-123
Apr 1968 41.9 T23
Anemia, Baby pigs, Iron salts, Livestock diseases, Swine. French summary.

1647-69
ABORTION IN SHEEP ASSOCIATED WITH BRUCELLA ABORTUS INFECTION.
T N Allsup
Vet Rec 84(5):104-108 REF
01 Feb 1969 41.8 V641
Abortion, Brucella abortus, Brucellosis, Infectious diseases, Livestock diseases, Serological tests, Serum agglutination, Sheep.

1648-69
LIPIDS OF SALMONELLA TYPHIMURIUM AND ESCHERICHIA COLI: STRUCTURE AND METABOLISM.
G F Ames
J Bacteriol 95(3):833-843 REF
Mar 1968 448.3 J82
Biochemistry, Escherichia coli, Metabolism, Phospholipids, Salmonella typhimurium.

1649-69
EFFECT OF SUBLETHAL DDT ON THE LATERAL LINE OF BROOK TROUT, SALVELINUS FONTINALIS.
J M Anderson
Can Fish Res Board J 25(12):2677-2682
Dec 1968 442.9 C16J
DDT, Nervous system, Physiology, Temperature, Trout.

1650-69
STUDIES ON WILD RESERVOIRS AND VECTORS OF TRYPANOSOMA CRUZI. XXVII. NATURAL INFECTION OF BATS BY TRYPANOSOMA VESPERTILIONIS BATAGLIA, 1904. (POR)
M P Barretto A F de Siqueira F Ferriolli Filho J da R Carvalheiro R D R Albuquerque Et Al
Rev Brasil Biol 28(2):147-155 REF
Jun 1968 442.8 R326
Animal vectors, Bats, Trypanosoma cruzi. English abstract

1651-69
EVIDENCE FOR THE POSSIBLE EXISTENCE OF TWO ENVELOPE ANTIGENIC DETERMINANTS AND CORRESPONDING CELL RECEPTORS FOR AVIAN TUMOR VIRUSES.
H Bauer T Graf
Virology 37(1):157-161 REF
Jan 1969 448.8 V81
Antigens, Birds, Cells, Neoplasms, Virology, Virus diseases (animals), Viruses.

1652-69
DISEASES TRANSMITTED BY RATS AND OTHER RODENTS.
R M Bentley L V Essayan
Pest Contr Oper News 27(12):21-23
Dec 1967 SB951.A1P4
Animal diseases, Animal vectors, Disease transmission, Human diseases, Rats, Rodents.

1653-69
CHAIN INITIATION IN A POLYCISTRONIC MESSAGE: SEQUENTIAL VERSUS SIMUL-

TANEOUS DEREPRESSION OF THE ENZYMES FOR HISTIDINE BIOSYNTHESIS IN SALMONELLA TYPHIMURIUM.
M A Berberich J S Kovach R F Goldberger
Nat Acad Sci Proc 57(6):1857-1864 REF
Jun 1967 500 N21P
Biosynthesis, Cytogenetics, Enzymes, Histidine, Salmonella typhimurium.

1654-69
FATTY LIVER AND KIDNEY DISEASE IN BROILER CHICKENS RECEIVING DIETS WITH VARYING CONTENTS OF PROTEIN.
R Blair W Bolton R H Duff
Vet Rec 84(2):41-43
11 Jan 1969 41.8 V641
Animal ecology, Animal genetics, Animal nutrition, Chickens, Deficiency diseases, Diet, Kidneys, Liver, Poultry diseases, Proteins, Statistical analysis.

1655-69
VARIABILITY IN CANDIDA ALBICANS (ROBIN) BERKHOUT. I. STUDIES ON MORPHOLOGY AND BIOCHEMICAL ACTIVITY.
J Brown-Thomsen
Hereditas 60(3):355-398 REF
18 Dec 1968 442.8 H42
Biochemistry, Candida albicans, Morphology, Taxonomy.

1656-69
USE OF AN ANTIGLOBULIN PLAQUE NEUTRALIZATION TEST AMONG GROUP A ARBOVIRUSES.
A Brown V Elsner E Zebovitz W P Allen
Soc Exp Biol Med Proc 130(3):718-722 REF
Mar 1969 442.9 SO1
Antibodies, Arboviruses, Mice, Serological tests.

1657-69
REPORT OF FIVE YEARS OF EPIZOOTIOLOGY OF THE FOOT-AND-MOUTH DISEASE IN THE STATE OF SAO PAULO. (POR)
M P DE Castro J R July P A DE Mello L P Netto A A Pinto
Sao Paulo Inst Biol Arq 34(3,JUL-SEP):223-241 MAP REF
Sep 1967 442.9 SA6
Baby pigs, Cattle, Epizootic diseases, Foot-and-mouth disease, Goats, Zoogeography. English abstract

1658-69
CELL WALL COMPOSITION OF THE MYCELIAL AND BLASTOSPORE FORMS OF CANDIDA ALBICANS.
F W Chattaway M R Holmes A J E Barlow
J Gen Microbiol 51(PT 3):367-376 REF
May 1968 448.3 J823
Biochemistry, Candida albicans, Cell wall, Chemical analysis, Chitin, Embryology, Fungus diseases (animals).

1659-69
SOME CRITERIA FOR THE FIELD DIAGNOSIS OF PORCINE TRANSMISSIBLE GASTROENTERITIS.
R F Cross E H Bohl
Amer Vet Med Ass J 154(3):266-272 REF
01 Feb 1969 41.8 AM3
Biochemistry, Diagnosis, Epizootic diseases, Gastroenteritis, Swine.

1660-69
VARYING VIRULENCE IN RABBITS INFECTED WITH DIFFERENT FILAMENTOUS TYPES OF HISTOPLASMA CAPSULATUM.
L S Daniels M D Berliner C C Campbell
J Bacteriol 96(5):1535-1539
Nov 1968 448.3 J82
Animal diseases, Bacteriology, Histoplasma capsulatum, Histoplasmosis, Rabbits, Virulence.

1661-69
REGULATION OF ALKALINE PHOSPHATASE PRODUCTION IN THE AUXOTROPHS OF BACILLUS ANTHRACIS.
A Dobozy I Marjai G Ivanovics
Acta Microbiol 15(3) 261-268 REF
16 Dec 1968 448.3 AC84
Alkaline phosphatase, Bacillus anthracis, Biochemistry, Protein synthesis.

1662-69
ISOLATION OF WESTERN EQUINE ENCEPHALOMYELITIS VIRUS FROM AN OPOSSUM.
R W Emmons E H Lennette
Science 163(3870):945-946
28 Feb 1969 470 SC12
Arboviruses, Culex tarsalis, Epidemiology, Insect vectors, Livestock diseases, Opossums, Virus diseases (animals), Western equine encephalomyelitis virus.

1663-69
IN VIVO--PRODUCED ANTHRAX TOXIN.
D C Fish R E Lincoln
J Bacteriol 95(3):919-924 REF
Mar 1968 448.3 J82
Antigens, Bacillus anthracis, Bacterial diseases (animals), Biochemistry, Serological tests, Synthesis, Toxins.

1664-69
PERSISTENT VIREMIA IN EIA INFECTED HORSES.
J H Flynn G H Waddell V R Saurino
Fla Acad Sci Quart 30(4):301-315 REF
Dec 1967 500 F66
Antibodies, Antigens, Chemical control (animal diseases), Equine infectious anemia, Immune adherence, Parasites, Serological tests, Veterinary medicine, Viremia.

1665-69
RESPONSE AND SPECIFICITY OF ANTIBODIES FOR CANDIDA ALBICANS.
Y Fukazawa T Shinoda T Tsuchiya
J Bacteriol 95(3):754-763 REF
Mar 1968 448.3 J82
Antibodies, Candida albicans, Fluorescent antibody technic, Immunodiagnosis, Rabbits, Serological tests.

1666-69
BABESIDAE (SPOROZOA; PIROPLASMIDA) INFECTIONS AND TICK INFESTATIONS OF CATTLE IN SOME PROVINCES OF THE BLACK SEA REGION OF TURKEY. (TU)
K Goksu
Ankara Univ Vet Fak Dergisi 15(1):46-57 REF
1968 41.9 AN4D
Babesia, Cattle, Epizootic diseases, Insect vectors, Ixodides, Livestock diseases, Serodiagnosis, Serological tests. English abstract

1667-69
A CONTRIBUTION TO THE SYSTEMATIC POSITION OF AEGYPTIANELLA PULLORUM CARPANO, 1928. (GE)
R Gothe
Z Parasitenk 29(2):119-129 REF
1967 442.8 Z33F
Aegyptianella, Chickens, Cytology, Electron microscopy, Reproduction, Taxonomy. English abstract

1668-69
INVESTIGATIONS INTO THE DEVELOPMENT AND THE COURSE OF INFECTION OF AEGYPTIANELLA PULLORUM CARPANO, 1928, IN CHICKEN. (GE)
R Gothe
Z Parasitenk 29(2):149-158 REF
1967 442.8 Z33F
Aegyptianella, Argas persicus, Blood parasites, Chickens, Insect biology, Insect vectors. English abstract

1669-69
PULMONARY ASPERGILLOSIS IN THE CALF.
R M Griffin
Vet Rec 84(5):109-111
01 Feb 1969 41.8 V641
Aspergillus fumigatus, Autopsies, Calves, Infections diseases, Livestock diseases, Pulmonary aspergillosis.

1670-69
STUDIES ON THE CURATIVE EFFECT OF CASSIA TORA SEEDS AGAINST RINGWORM IN CATTLE.
R K Gupta S C Saxena M C Goel V Mahadevan
Indian J Vet Sci Anim Husb 38(2):160-163
Jun 1968 41.8 IN22
Cassia tora, Cattle, Drug plants, Drug therapy, Ringworm.

1671-69
CONTRIBUTION TO THE KNOWLEDGE OF THE VIRUS OF THE AFRICAN HORSE PEST. II. COMMUNICATION. (GE)
S Gurturk
Ankara Univ Vet Fak Dergisi 15(1):1-13 REF
1968 41.9 AN4D
African horse sickness virus, Immunization, Livestock diseases, Serological tests, Vaccines. Turkish abstract

1672-69
CORRELATION BETWEEN THE BACTERIOLOGICAL CHARACTERISTICS OF SALMONELLA PULLORUM AND SALMONELLA GALLINARUM AND THEIR RANGES OF SENSITIVITY TO BACTERIOPHAGES OBTAINED FROM OFF-SHOOTS OF THE SAME BATCH OF LYSOGENIC STOCK. (FR)
R Hablas H Momenteau
Acad Sci Compt Rend Ser D Sci Nat 268(1, 1ST SEMESTER):213-216
06 Jan 1969 505 P21
Bacteriology, Bacteriophages, Biochemistry, Salmonella gallinarum, Salmonella pullorum.

1673-69
INTERFERENCE PHENOMENON IN THE CULTURE OF CHICK EMBRYO CELLS INFECTED WITH SCHMIDT-RUPPIN STRAIN OF ROUS SARCOMA VIRUS.
K Hara
Jap J Microbiol 12(4):385-394
Dec 1968 448.8 J273
Chickens, Inhibitors, Interference phenomenon, Rous sarcoma virus, Tissue culture, Virus diseases (animals).

1674-69
SHEATH ROT IS ON THE INCREASE.
R J R Hodge
S Australia J Agr 72(3):94-99
03 Oct 1968 23 SO84
Disease control, Economics, Epidemiology, Hormones, Livestock diseases, Posthitis, Sheep, Surgical procedures, Testosterone, Therapeutics, Ulcers.

1675-69
SALMONELLA TYPHIMURIUM PROLINE MUTANTS.
H Itikawa M Demerec
J Bacteriol 95(3):1189-1190
Mar 1968 448.3 J82
Biochemistry, Genetics, Mutations, Proline, Salmonella typhimurium.

1676-69
PHYCOMYCOSIS IN MULE. ENTOMOPHTHORA CORONATA ISOLATION. (POR
M J Johnston B Sorensen A M Saliba C da S Lacaz J B Neto
Sao Paulo Inst Biol Arq 34(1,JAN-MAR):51-58
Mar 1967 442.9 SA6
Diagnosis, Entomophthora coronata, Mules, Phycomycosis. English abstract

1677-69
STUDIES ON CYTOPATHOGENIC VIRUSES ISOLATED FROM CATS WITH RESPIRATORY INFECTIONS. I.
M Kamizono S Konish M Ogata S Kobori
Jap J Vet Sci 30(4):197-206
Aug 1968 41.8 J27
Cats, Inclusion bodies, Kidneys, Respiratory diseases, Serological tests, Virus diseases (animals). Japanese summary

1678-69
STUDIES ON BACTERIOPHAGE AND METABOLIC IDENTIFICATION OF BRUCELLA STRAINS. (PE)
M Keyhani
Tehran Univ Vet Fac J 24(2):76-84
Apr 1968 41.9 T23
Bacteriophages, Brucella abortus, Brucella melitensis, Culture media, Livestock diseases, Metabolism. English summary.

1679-69
FOOD ADDITIVES PERMITTED IN THE FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. FOOD ADDITIVES PERMITTED IN FOOD FOR HUMAN CONSUMPTION. OLEANDOMYCIN.
J K Kirk
Fed Regist 33(251):19801-19802
27 Dec 1968 L1.451
Antibiotics, Bacterial diseases (animals), Drug therapy, Food, Food additives, Humans, Oleandomycin, Pesticide residues, Swine, Veterinary medicine.

1680-69
AN EPIZOOTIOLOGICAL STUDY OF THE DEVELOPMENT OF CATTLE BRUCELLOSIS IN CZECHOSLOVAKIA--DETECTION. (CZ)
V Kouba
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(8-9):447-455 REF
Sep 1968 41.9 C333
Brucellosis, Cattle, Diagnosis, Epizootic diseases, Serological tests, Surveys. English, Russian,and German abstracts.

1681-69
CRONARTIUM COMANDRAE PK.; HARD PINES (PINUS SPP.) AND COMANDRA SPP. ED. I.
R G Krebill
Common Mycol Inst Distrib Maps Plant Dis 444, 2P, MAP, REF
08 Jan 1968 464.9 IM7
Comandra, Cronartium comandrae, Pinus, Plant geography.

1682-69
EXPERIMENTAL SALMONELLOSIS. X. CELLULAR IMMUNITY AND ITS ANTIBODY IN MOUSE MONONUCLEAR PHAGOCYTES.
S Kurashige N Osawa M Kawakami S Mitsuhashi
J Bacteriol 94(4):902-906 REF
Oct 1967 448.3 J82
Antibodies, Centrifugation, Hemagglutination, Immunity, Mice, Salmonellosis, Vaccines.

1683-69
THE DISTRIBUTION OF THE Q FEVER AGENT IN DAIRY CATTLE.
D R Lingard
Can J Public Health 59(11):453-456 REF
Nov 1968 449.8 P964
Chicks, Dairy cattle, Epidemiology, Livestock diseases, Public health, Q fever, Rickettsial diseases, Symptomatology.

1684-69
COPPER SULPHATE AND ANTIBIOTICS AS FEED ADDITIVES FOR EARLY WEANED PIGS.
R M Livingstone D M S Livingston
J Agr Sci &london& 71(PT 3):419-424
Dec 1968 10 J822
Animal husbandry, Antibiotics, Baby pigs, Citric acid, Copper sulfate, Feed additives, Formosulfathiazole, Tylosin, Zinc bacitracin.

1685-69
RESISTANCE OF BETA-HAEMOLYTICAL COLIBACTERIA, ISOLATED FROM ENTEROTOXAEMIC PIGLETS, TO ANTIBIOTICS AND CHEMOTHERAPEUTICS. (GE)
C Madrov
Monatsh Vet 23(13):502-504 REF
01 Jul 1968 41.8 M742
Antibiotics, Baby pigs, Drug-fast microorganisms, Enterotoxemia, Escherichia coli, Livestock diseases. English and Russian summaries.

1686-69
CLASSIFICATION OF STRAINS OF PASTEURELLA MULTOCIDA ISOLATED FROM POULTRY. (CZ)
Z Malik
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(8-9):481-487 REF
Sep 1968 41.9 C333
Hemagglutination, Pasteurella multocida, Poultry, Serological tests. English, German, and Russian abstracts.

1687-69
ISOLATION, IMMUNODIFFUSION, IMMUNOFLUORESCENCE, AND ELECTRON MICROSCOPY OF A SYNCYTIAL VIRUS OF LYMPHOSARCOMATOUS AND APPARENTLY NORMAL CATTLE.
W A Malmquist M J Van Der Maaten A D Boothe
Cancer Res 29(1):188-200 REF
Jan 1969 448.8 C16
Cattle, Electron microscopy, Immunofluorescence, Lymphosarcoma, Virus diseases (animals).

1688-69
EXPERIMENTAL PLANTINGS OF BROOK TROUT (SALVELINUS FONTINALIS) FROM FURUNCULOSIS-INFECTED STOCK.
L A McDermott A H Berst
Can Fish Res Board J 25(12):2643-2649 REF
Dec 1968 442.9 C16J
Aeromonas salmonicida, Furunculosis, Trout, Wildlife diseases.

1689-69
COW DISEASES AND TYPE OF HOUSING.
A M Meek
Dairymens League News 52(19):6
02 Oct 1968 44.8 D1432
Accidents, Animal abnormalities, Farm buildings, Ketosis, Livestock diseases, Mastitis, Milk fever.

1690-69
LEPTOSPIROSIS IN PIGS: EPIDEMIOLOGY, MICROBIOLOGY AND PATHOLOGY.
S W Michna R S F Camphell M C Path
Vet Rec 84(6):135-138 REF
08 Feb 1969 41.8 V641
Epidemiology, Leptospira canicola, Leptospira icterohaemorrhagiae, Leptospirosis, Livestock diseases, Microbiology, Microscopy, Pathology, Scrological tests, Swine, Virus diseases (animals), Zoonoses.

1691-69
EXPERIMENTAL SALMONELLOSIS. XI. INDUCTION OF CELLULAR IMMUNITY AND FORMATION OF ANTIBODY BY TRANSFER AGENT OF MOUSE MONONUCLEAR PHAGOCYTES.
S Mitsuhashi K Saito N Osawa S Kurashige
J Bacteriol 94(4):907-913 REF
Oct 1967 448.3 J82
Antibodies, Immunity, Mice, Ribonucleic acid, Salmonellosis.

1692-69
THE INCUBATION PERIOD OF RABIES VIRUS INOCULATED INTO GUINEA-PIGS INTRAMUSCULARLY. (POR)
M R Nilsson W Sugay O L Pasqualin S B K Mueller
Sao Paulo Inst Biol Arq 35(1 JAN-MAR):17-21
Mar 1968 442.9 SA6
Cattle, Diagnosis, Guinea pigs, Immunization, Rabies, Virus diseases (animals). English abstract

1693-69
RABIES DIAGNOSIS. STUDIES ON THE INCUBATION PERIOD AND COURSE OF THE DISEASE IN THE MOUSE TEST FROM 1960 TO 1966. (POR
M R Nilsson W Sugay O L Pasqualin
Sao Paulo Inst Biol Arq 35(1 JAN-MAR):1-7 REF
Mar 1968 442.9 SA6
Diagnosis, Mice, Rabies. English abstract

1694-69
EFFECTS OF CORTISONE ACETATE ON MAMMARY DEVELOPMENT OF RABBITS UNDER VARIOUS ENDOCRINE CONDITIONS.
A Norgren
Lund Univ Acta Univ Lundensis Sect 1 1 Med Math Sci Ker Nat (SER 2)(32):24P REF
1967 502 L97A
Animal morphology, Animal physiology, Castration, Cortisone acetate, Dosage, Drug therapy, Endocrine glands, Hormones, Mammary glands, Rabbits.

1695-69
ON THE TYPE SPECIFICITIES OF RABBIT ANTI-S. TYPHI ANTIBODIES. (FR)
J Oudin M Michel
Acad Sci Compt Rend Ser D Sci Nat 268(1, 1ST SEMESTER):230-233
06 Jan 1969 505 P21
Antibodies, Rabbits, Salmonella typhimurium, Serological tests.

1696-69
BOVINE VIBRIOSIS IN THE STATE OF SAO PAULO (BRAZIL). ISOLATION OF VIBRIO FETUS AND RESEARCH OF AGGLUTININS ANTI-VIBRIO FETUS IN THE VAGINAL MUCUS. (POR)
A F Pestana De Castro W Giorgi C A S Rosa W B Ribeiro
Sao Paulo Inst Biol Arq 34(1 JAN-MAR):29-43 REF
Mar 1967 442.9 SA6
Antibodies, Cattle, Mucus, Serological tests, Vagina, Vibrio fetus, Vibriosis. English abstract

1697-69
THE DIFFERENTIATION OF DIFFERENT STRAINS OF THE VIRUS OF CANINE INFECTIOUS HEPATITIS. (CZ)
G Petr E Jiran
Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(8-9):501-510 REF
Sep 1968 41.9 C333
Chromatography, Complement fixation, Hemagglutination-inhibition test, Infectious canine hepatitis, Serological tests. English, German, and Russian abstracts

1698-69
VIRUS ABORTION IN MARES AND ITS CAUSE IN GERMANY. (GE)
K Petzoldt K Wagener
Blauen H Tierarzt (38):7-13 REF
Oct 1968 41.9 B61
Abortion, Diagnosis, Epidemiology, Equine herpesviruses, Equine rhinopneumonitis, Horses, Immunization.

1699-69
SIGNIFICANCE OF ALLERGIC TESTS FOR DIAGNOSIS OF JOHNE'S DISEASE IN SHEEP AND GOATS.
A K Prasad R R Shukla
Indian J Vet Sci Anim Husb 38(2):188-196
Jun 1968 41.8 IN22
Goats, Immunodiagnosis, Johne's disease, Mycobacterium paratuberculosis, Sheep.

1700-69
FATTY ACIDS OF LISTERIA MONOCYTOGENES.
L J Raines C W Moss D Farshtchi B Pittman
J Bacteriol 96(6):2175-2177
Dec 1968 448.3 J82
Bacterial diseases (animals), Biochemistry, Fatty acids, Listeria monocytogenes, Physiology.

1701-69
COMPARATIVE STUDY OF THE MULTIPLICATION OF NEWCASTLE DISEASE VIRUS (NDV) ON HELA, KB AND HUMAN AMNION CELLS. (SP
E Ronda
Rev Latinoamer Microbiol Parasitol 11(1 JAN-MAR):1-4
1969 448.8 R32
Chick embryos, Culture media, Newcastle disease virus, Tissue culture. English abstract

1702-69
HYGIENE AND PRACTICAL MEDICINE OF THE CAT. (FR)
P Rousselet
7IP PARIS, FRANCE LA MAISON RUSTIQUE
1967 SF985.R6
Animal diseases, Animal nutrition, Cats, Hygiene, Pets, Surgery, Veterinary medicine.

1703-69
IMMUNO-BIOLOGICAL PROPERTIES OF LIPO-POLY-SACCHARIDES ISOLATED FROM LISTERIA MONOCYTOGENES.
G P Sen M R Dhanda
Indian J Vet Sci Anim Husb 38(2):179-187 REF
Jun 1968 41.8 IN22
Immunology, Lipopolysaccharides, Listeria monocytogenes, Serological tests.

1704-69
INHIBITORY EFFECT OF NEUTRAL RED ON BOVINE VIRUS DIARRHEAMUCOSAL DISEASE PLAQUE FORMATION.
K V Singh
Appl Microbiol 17(2):323-324
Feb 1969 448.3 AP5
Bovine virus diarrhea virus, Inhibitors, Microbiology, Mucosal disease, Neutral red, Plaque, Virus diseases (animals).

1705-69
A NOTE ON THE DISTRIBUTION OF VARIOUS TYPES OF FOOTAND-MOUTH DISEASE VIRUS IN UTTAR PRADESH.
P P Singh M P Bansal B S Malik
Cur Sci 37(21):616
05 Nov 1968 475 SCI23
Bahy pigs, Cattle, Epizootic diseases, Foot-and-mouth disease, Zoogeography.

1706-69
ISOLATION AND MAPPING OF SALMONELLA TYPHIMURIUM MUTANTS DEFECTIVE IN THE UTILIZATION OF TREHALOSE.
M L St. Pierre
J Bacteriol 95(3):1185-1186
Mar 1968 448.3 J82
Biochemistry, Genetics, Mutations, Salmonella typhimurium, Trehalose.

1707-69
STUDIES ON THE ANTIGENIC ACTIVITIES OF YEASTS. II. ISOLATION AND INHIBITION ASSAY OF OLIGOSACCHARIDES FROM ACETOLYSATE OF MANNAN OF CANDIDA ALBICANS.
S Suzuki H Sunayama
Jap J Microbiol 12(4):413-422 REF
Dec 1968 448.8 J273
Antigens, Candida albicans, Mannans, Oligosaccharides, Serological tests.

1708-69
MODIFICATION OF SELECTED HOST-REACTIVE PROPERTIES OF ENDOTOXIN BY TREATMENT WITH SODIUM DEOXYCHOLATE.
D F Tarmina K C Milner F Ribi J A Rudbach
J Bacteriol 96(5):1611-1616 REF
Nov 1968 448.3 J82
Animal diseases, Bacterial diseases (animals), Chick embryos, Endotoxins, Mice, Necrosis, Properties, Sodium deoxycholate.

1709-69
RESPIRATORY COMPONENTS OF ASPERGILLUS NIGER MITOCHONDRIA.
K Watson J E Smith
J Bacteriol 96(5):1546-1550 REF
Nov 1968 448.3 J82
Aspergillus niger, Cattle, Fungus diseases (animals), Heart, Liver, Mitochondria, Rats, Respiration.

1710-69
PHOSPHOLIPID METABOLISM DURING CHANGES IN THE PROPORTIONS OF MEMBRANE-BOUND RESPIRATORY PIGMENTS IN HAEMOPHILUS PARAINFLUENZAE.
D C White A N Tucker
J Bacteriol 97(1):199-209 REF
Jan 1969 448.3 J82
Haemophilus, Metabolism, Phospholipids, Pigments, Radioactive tracers.

1711-69
CONTRIBUTION TO THE OCCURRENCE OF AUJESZKY'S VIRUS IN CLINICALLY HEALTHY PORKERS FROM CHRONICALLY INFESTED PIG FATTENING CENTRES. (GE)
I Wilke H D Dannenberg
Monatsh Vet 23(13):494-498 REF
01 Jul 1968 41.8 M742
Antibodies, Epidemiology, Livestock diseases, Meat, Pseudorabies, Swine, Virus diseases (animals). English and Russian summaries.

1712-69
ENDODYOGENY OF TOXOPLASMA GONDII. A MORPHOLOGIC ANALYSIS. (GE
E van der Zypen G Piekarski
Z Parasitenk 29(1):15-35 REF
1967 442.8 Z33F
Electron microscopy, Histochemistry, Reproduction, Toxoplasma. English abstract

ARTHROPODS

1713-69
TICKS OF DOMESTIC ANIMALS IN TESSIN. (FR)
A Aeschlimann P A Diehl G Eichenberger R Immler N Weiss
Rev Suisse Zool 75(4):1039-1050 MAP
Dec 1968 410 R324
Insect ecology, Insect geography, Ixodides, Livestock. English abstract

1714-69
THE TITMOUSE, PARUS MAJOR, AS HOST OF THREE SPECIES OF THE GENUS ORNITHOMYIA (DIPTERA: HIPPOBOSCIDAE). (DU)
E van den Brock
Entomol Ber 28(6):101-103
01 Jun 1968 420 N38B
Birds, Ecology, Hippoboscidae, Host relationships, Insect ecology. English abstract

1715-69
ON THE ROLE OF HOG LOUSE HAEMATOPINUS SUIS (L.) IN THE TRANSMISSION OF SWINE FEVER.
R P Chaudhuri M H Khan G A Shivnani
Indian J Vet Sci Anim Husb 38(2):197-202
Jun 1968 41.8 IN22
Epizootic diseases, Haematopinus suis, Hog cholera, Insect vectors, Swine.

1716-69
THE MOSQUITOES ATTRACTED TO TURTLES.
W J Crans E G Rockel
Mosquito News 28(3):332-337
Sep 1968 421 M85
Aedes, Culex, Host relationships, Predaceous insects, Surveys, Turtles.

1717-69
DEVELOPMENT OF AEGYPTIANELLA PULLORUM CARPANO, 1928, IN THE SOFT TICK ARGAS (PERSICARGAS) PERSICUS (OKEN, 1818) AND TRANSMISSION. (GE)
R Gothe
Z Parasitenk 29(2):103-118 REF
1967 442.8 Z33F
Aegyptianella, Argas persicus, Chickens, Epizootic diseases, Insect vectors, Life cycle, Piroplasmosis. English abstract

1718-69
STUDIES ON THE CURATIVE EFFECT OF CEDRUS DEODARA OIL AGAINST SARCOPTIC MANGE IN BUFFALO-CALVES.
R K Gupta S K Saksena B Dutt V Mahadevan
Indian J Vet Sci Anim Husb 38(2):203-209
Jun 1968 41.8 IN22
Buffaloes, Cedrus deodara, Chemical control (insects), Drug plants, Mange, Sarcoptes scabiei.

1719-69
OCCURRENCE OF NYMPHS OF THE FAMILY LINGUATULIDAE (PENTASTOMIDA) IN AFRICAN HOOFED ANIMALS AND THEIR PARASELISM. (GE)
K von Haffner R Sachs G Rack
Z Parasitenk 29(4):329-355 REF
1967 442.8 Z33F
Histology, Larvae, Livestock diseases, Pentastomida.

1720-69
CONTRIBUTION TO THE CONTROL OF SWINE MANGE. (GE)
E Kutzer
Monatsh Vet 23(13):506-510 REF
01 Jul 1968 41.8 M742
Mange, Sarcoptes suis, Swine. English and Russian summaries.

1721-69
A POSSIBLE CASE OF HOST REVERSAL ENCOUNTERED IN A SINGLE GENERATION OF A LABORATORY COLONY OF HYALOMMA MARGINATUM ISAACI.
U Rau
Acarologia 10(4):609-613 REF
Dec 1968 434.8 AC1
Birds, Guinea pigs, Hyalomma marginatum, Immunity, Rabbits.

1722-69
FUMIGATION FOR LICE CONTROL IN PIG BREEDING STOCK. (GE)
R Ribbeck B Ziegler T Hiepe
Monatsh Vet 23(13):505-506
01 Jul 1968 41.8 M742
Chlorinated hydrocarbons, Fumigation, Haematopinus suis, Insecticides, Lindane, Swine, Swine houses. English and Russian summaries.

1723-69
THE EFFECT OF HOE-2910 ON ECTOPARASITES OF ANIMALS. (TU)
F Sayin
Ankara Univ Vet Fak Dergisi 15(1):114-124
1968 41.9 AN4D
Acarina, Anoplura, Chemical control (insects), Ectoparasites, Insecticides, Livestock, Parasitic insects. English abstract

1724-69
GASTROPHILUS SPECIES RECORDED IN EQUINE (HORSES, DONKEYS, AND MULES) FROM TURKEY. (TU)
F Sayin M Mimioglu
Ankara Univ Vet Fak Dergisi 15(1):75-91 MAP REF
1968 41.9 AN4D
Asses, Horses, Insect morphology, Mules, Zoogeography. English abstract

1725-69
PASTURE MOSQUITO RESISTANCE IN CALIFORNIA.
C H Schaefer
Pest Contr 37(1):36-37
Jan 1969 449.8 P38
Aedes nigromaculis, Biological control (insects), Chemical control (insects), Insecticide resistant insects
The resistance of mosquitoes to insecticides, especially organophosphorus compounds, in California is analyzed.

1726-69
LETHAL EFFECTS OF SYNTHETIC JUVENILE HORMONE ON THE HUMAN BODY LOUSE.
J W Vinson C M Williams
Nat Acad Sci Proc 58(1):294-297
Jul 1967 500 N21P
Analogs, Chemical control (insects), Insect mortality, Juvenile hormone, Ovicides, Pediculus humanus.

PARASITES

1727-69
ENZYME HISTOCHEMISTRY OF THE ADULT LIVER FLUKE, FASCIOLA HEPATICA.
D H Barry I. E Mawdesley-Thomas J C Malone
Exp Parasitol 23(3):355-360 REF
Dec 1968 436.8 EX7
Biochemistry, Enzymes, Fasciola hepatica, Histochemistry.

1728-69
SEASONAL DYNAMICS OF THE INVASION EXTENSITY OF THE NEMATODE SYNGAMUS TRACHEA (MONTAGU, 1811) IN BREEDING TURKEYS (MELEAGRIS GALLOPAVO F. DOMESTICA).
V Barus
Helminthologia 7(1/4):29-37 REF
1966 436.8 H36
Breeding, Epidemiology, Meteorology, Nematodes, Research, Syngamus trachea, Turkeys, Weather. Russian and German summaries.

1729-69
EQUINE PROTOZOAN DIARRHEA (EQUINE INTESTINAL TRICHOMONIASIS) AT TRINIDAD RACETRACKS.
S P Bennett D A Franco
Amer Vet Med Ass J 154(1):58-60
01 Jan 1969 41.8 AM3
Diarrhea, Epizootic diseases, Horses, Symptomatology, Trichomoniasis.

1730-69
ACTIVITY OF DIETHYLENEDIAMINE KAINATE AGAINST PARASITIC INTESTINAL HELMINTHS OF HENS. (SP)
J G Berenguer J M S Vallespinosa
Rev Iberica Parasitol 27(1-2,JAN-JUN):25-37
Jun 1967 436.8 R32
Anthelmintics, Ascaridia galli, Chickens, Heterakis gallinae. English abstract

1731-69
ON THE SEASONAL DYNAMICS OF THE INFESTATION CYCLE OF HETERAKIS GALLINARUM IN THE HEN GALLUS DOMESTICUS. (GE)
V Birova
Helminthologia 7(1/4):221-234 REF
1966 436.8 H36
Climate, Epidemiology, Gallus domesticus, Helminthiasis, Heterakis gallinarum. Russian and English summary.

1732-69
AEROBIC AND ANAEROBIC METABOLISM OF LARVAL AND ADULT TAENIA TAENIAEFORMIS: V. GLYCOGEN SYNTHESIS, METABOLIC ENDPRODUCTS, AND CARBON BALANCES OF GLUCOSE AND GLYCEROL UTILIZATION.
I VON Brand I. Churchwell J Eckert
Exp Parasitol 23(3):309-318 REF
Dec 1968 436.8 EX7
Acids, Carbohydrates, Glycerol, Metabolism, Organic compounds, Oxygen, Taenia taeniaeformis.

1733-69
INTERNAL PARASITISM OF DAIRY CATTLE.
W H Daniels
Dairymens League News 52(19):12,22
02 Oct 1968 44.8 D1432
Drug therapy, Drugs, Larvae, Lesions, Livestock diseases, Parasitism, Pest control, Symptomatology.

1734-69
EXPERIMENTAL FASCIOLIASISI SOME EFFECTS ON FASCIOLA HEPATICA OF TREATMENT OF RAT HOSTS WITH BITHIONOL (ACTAMER).
B Dawes
Helminthologia 7(1/4):297-307 REF
1966 436.8 H36
Bithionol, Chemical control (nematodes), Drug therapy, Fasciola hepatica, Fascioliasis, Histology, Laboratory animals, Rats. Russian and German summaries.

1735-69
TREATMENT OF MICROSPORUM CANIS RINGWORM IN A CAT COLONY.
C O Dawson B M Noddle
J Small Anim Pract 9(12):613-620 REF
Dec 1968 41.8 J8292
Animal diseases, Cats, Dermatophytosis, Dosage, Drug therapy, Epidemiology, Fluorescence, Griseofulvin, Microsporum canis, Ringworm. German and French summary.

1736-69
TETRAMISOLE TREATMENT FOR LUNGWORM INFECTION IN PIGS.
J B Dixon
Vet Rec 84(2):44-46 REF
11 Jan 1969 41.8 V641
Anthelmintics, Autopsies, Chemical control (animal diseases), Drug therapy, Larvae, Livestock diseases, Metastrongylus apri, Swine, Tetramisole.

1737-69
STUDIES ON SCHISTOSOMA NASALE RAO, 1933. II. MOLLUSCAN AND MAMMALIAN HOSTS OF THE BLOOD-FLUKE.
S C Dutt H D Srivastava
Indian J Vet Sci Anim Husb 38(2):210-216
Jun 1968 41.8 IN22
Animal disease transmission, Animal vectors, Livestock diseases, Mollusks, Schistosoma.

1738-69
IN VITRO DEVELOPMENT OF INVASIVE NEMATODE-LARVAE TO PARASITIC STAGES. (GE)
J Eckert
Z Parasitenk 29(3):242-274
1967 442.8 Z33F
Biochemistry, Culture media, Larvae, Metabolism, Rearing, Trichostrongylidae. English abstract

1739-69
ON THE PHYSIOLOGY OF INVASIVE LARVAE OF TRICHOSTONGYLIDAE. (GE
J Eckert
Z Parasitenk 29(3):209-241 REF
1967 442.8 Z33F
Biochemistry, Larvae, Oxygen, Physiology, Trichostrongylidae. English abstract

1740-69
EIMERIA STIEDAE: CYTOCHEMICAL IDENTIFICATION OF ACID AND ALKALINE PHOSPHATASES, CARBOXYLIC ESTER HYDROLASES, AND SUCCINATE, LACTATE, AND GLUCOSE-6-PHOSPHATE DEHYDROGENASES IN ENDOGENOUS STAGES FROM RABBIT TISSUES.
J C Frandsen
Exp Parasitol 23(3):398-411 REF
Dec 1968 436.8 EX7
Biochemistry, Chemical analysis, Eimeria stiedae, Enzymes, Rabbits

1741-69
SETARIOSIS IN TURKEY. (TU)
N Guralp C Dogru
Ankara Univ Vet Fak Dergisi 15(1):29-40 MAP REF
1968 41.9 AN4D
Filariasis, Livestock diseases. English and German abstracts

1742-69
THE ROUTINE DIFFERENTIATION OF THE OVA AND LARVAE OF TWO PARASITES OF SWINE, HYOSTRONGYLUS RUBIDUS (HASSALL ET STILES, 1892) AND OESOPHAGOSTOMUM DENTATUM (RUD., 1803).
M R Honer
Z Parasitenk 29(1):40-45
1967 442.8 Z33F
Hyostrongylus rubidus, Larvae, Nematode morphology, Oesophagostomum dentatum, Swine.

1743-69
ON THE NATURAL FOCUS-PROBLEM OF TRICHINELLOSIS IN SWITZERLAND. (GE)
B Horning
Rev Suisse Zool 75(4):1063-1066
Dec 1968 410 R324
Animal diseases, Nematode infestation, Reviews, Trichinosis.

1744-69
THIACETARSAMIDE FOR PREVENTIVE TREATMENT OF DIROFILARIA IMMITIS.
R F Jackson
Amer Vet Med Ass J 154(4):395-396
15 Feb 1969 41.8 AM3
Dirofilaria immitis, Dogs, Dosage, Drug therapy, Preventive medicine, Thiacetarsamide.

1745-69
COMPLICATIONS DURING AND FOLLOWING CHEMOTHERAPY OF HEARTWORM DISEASE.
R F Jackson
Amer Vet Med Ass J 154(4):393-395
15 Feb 1969 41.8 AM3
Bilirubin, Dirofilaria immitis, Drug therapy, Liver, Lungs.

1746-69
TREATMENT OF HEARTWORM-INFECTED DOGS WITH CHEMICAL AGENTS.
R F Jackson
Amer Vet Med Ass J 154(4):390-393
15 Feb 1969 41.8 AM3
Chemical control (nematodes), Dirofilaria immitis, Dithiazanine iodide, Dosage, Drug therapy, Thiacetarsamide.

1747-69
DIAGNOSIS OF HEARTWORM DISEASE BY EXAMINATION OF THE BLOOD.
R F Jackson
Amer Vet Med Ass J 154(4):374-376 REF
15 Feb 1969 41.8 AM3
Blood analysis, Dirofilaria immitis, Dogs, Parasitic nematodes, Serological tests.

1748-69
THE VENAE CAVAE OR LIVER FAILURE SYNDROME OF HEARTWORM DISEASE.
R F Jackson
Amer Vet Med Ass J 154(4):384-385
15 Feb 1969 41.8 AM3
Diagnosis, Dirofilaria immitis, Dogs, Liver function tests, Lungs, Veins.

1749-69
SURGICAL TREATMENT OF HEARTWORM DISEASE.
W F Jackson

Amer Vet Med Ass J 154(4):383-384 REF
15 Feb 1969 41.8 AM3
Dirofilaria immitis, Dogs, Heart, Methodology, Surgery.

1750-69
PHYSICAL EXAMINATION OF THE HEARTWORM-INFECTED PATIENT.
W F Jackson
Amer Vet Med Ass J 154(4):377-378
15 Feb 1969 41.8 AM3
Animal morphology, Animal physiology, Diagnosis, Dirofilaria immitis, Dogs, Heart, Lungs.

1751-69
RADIOGRAPHIC EXAMINATION OF THE HEARTWORM-INFECTED PATIENT.
W F Jackson
Amer Vet Med Ass J 154(4):380-382
15 Feb 1969 41.8 AM3
Abdomen, Diagnosis, Dirofilaria immitis, Dogs, Parasitic nematodes, Radiography, Thorax.

1752-69
PREVENTATIVE THERAPY WITH DIETHYLCARBAMAZINE.
W F Jackson
Amer Vet Med Ass J 154(4):396
15 Feb 1969 41.8 AM3
Diethylcarbamazine, Dirofilaria immitis, Dogs, Dosage, Drug therapy, Preventive medicine.

1753-69
STUDIES ON DOG HEARTWORM IN SOUTH TEXAS.
H L Keegan C M Fitzgerald T L Meerary M D Doyle
Tex Rep Biol Med 26(3,FALL):321-330
1968 448.8 T31
Chemical control (insects), Chemical control (nematodes), Culicidae, Dirofilaria immitis, Dogs, Insect vectors.

1754-69
LOCALIZATION OF CYSTICERCUS BOVIS IN THE ORGANS OF SLIGHTLY INFESTED CATTLE. (GE)
K Koudela
Helminthologia 7(1/4):235-243
1966 436.8 H36
Cattle, Cestoda, Cysticercus bovis, Epidemiology, Heart, Livestock diseases, Muscles, Viscera. English and Russian summaries.

1755-69
THE AGE DYNAMICS OF THE INFESTATION OF CATTLE BY CYSTICERCUS BOVIS. (GE)
K Koudela
Helminthologia 7(1/4):337-342
1966 436.8 H36
Aging, Animal physiology, Cattle, Cestoda, Cysticercus bovis, Epidemiology. Russian and English summaries.

1756-69
ON STUDY OF FEEDING PECULIARITIES OF THE HELMINTH ASCARIDIA GALLI.
B E Kurashvili N Akbohadze
Zool Anz 179(5-6,NOV-DEC):457-463
Dec 1967 410 Z7
Ascaridia galli, Food habits, Host relationships, Poultry.

1757-69
ON STUDY OF HELMINTHOFAUNA OF DOMESTIC AND WILD CARNIVOROUS ANIMALS IN BUKHARA REGION. (RUS)
N M Matchanov
Uz Biol Zhur 12(1):60-62
1968 442.8 UZ1
Cysticercus, Dogs, Foxes, Helminthiasis, Intestines, Parasites. English summary.

1758-69
EXPERIMENTAL INVESTIGATION OF GOSS IMMUNITY BETWEEN TRICHINELLA SPIRALIS AND ASCARIS SUUM. (GE)
K Matoff P Kamhurov
Z Parasitenk 29(2):130-136
1967 442.8 Z33I
Ascaris lumbricoides suum, Immunity, Mice, Trichinella spiralis. English abstract

1759-69
ASSAY ON THE TREATMENT OF INTESTINAL NEMATODIASIS OF PIGS BY MEANS OF 2,2-DICHLOROVINYL, DIMETHYL PHOSPHATE (DICHLORVOS, ATGARD V) ADMINISTERED WITH DRY FOOD, IN COMPARISON TO PIPERAZINE DIHYDROCHLORIDE ADMINISTERED IN DRINKING WATER. (POR)
M de F M Mendes U F Rocha C A da Rocha R G Serra M S de Campos Et Al
Sao Paulo Inst Biol Arq 34(1 JAN-MAR):17-27 REF
Mar 1967 442.9 SA6
Dichlorvos, Drug therapy, Feed additives, Nematodiasis, Piperazine, Swine. English abstract.

1760-69
RECOMMENDATIONS OF THE SYMPOSIUM PANEL: TREATMENT AND PREVENTION OF HEARTWORM DISEASE IN DOGS.
J T Mercer
Amer Vet Med Ass J 154(4):397
15 Feb 1969 41.8 AM3
Diethylcarbamazine, Dirofilaria immitis, Dithiazanine iodide, Dogs, Dosage, Drug therapy, Preventive medicine, Thiacetarsamide.

1761-69
ECOLOGICAL FACTORS WHICH DETERMINE THE WILD TYPE OF TRICHINIASIS WEST OF SAN LUIS AND EAST OF MENDOZA. (SP)
J L Minoprio H Abdon D Abdon
Soc Cien Argentine An 183(1-2 JAN-FEB):19-30 MAP REF
Feb 1967 516 SO1
Epidemiology, Trichinella spiralis, Weather, Wildlife. English abstract

1762-69
LABORATORY EVALUATION OF THE HEARTWORM-INFECTED PATIENT.
H C Morgan
Amer Vet Med Ass J 154(4):378-380
15 Feb 1969 41.8 AM3
Biochemistry, Dirofilaria immitis, Dogs, Parasitic nematodes, Serological tests, Urine.

1763-69
ELECTROCARDIOGRAM OF THE PATIENT WITH HEARTWORM DISEASE.
H C Morgan
Amer Vet Med Ass J 154(4):373-374
15 Feb 1969 41.8 AM3
Diagnosis, Dirofilaria immitis, Dogs, Electrocardiograms.

1764-69
ON THE SYNONYMY OF THE GENUS ARTYFECHINOSTOMUM LANE, 1915 (TREMATODA: ECHINOSTOMATIDAE).
R P Mukherjee R K Ghosh
Inc Acad Sci Proc 68(1):52-58 REF
Jul 1968 513 IN25B
Host relationships, Taxonomy, Trematoda.

1765-69
PATHOLOGY OF HEARTWORM DISEASE.
G F Otto R F Jackson
Amer Vet Med Ass J 154(4):382
15 Feb 1969 41.8 AM3
Animal histology, Dirofilaria immitis, Dogs, Heart, Liver, Lungs, Parasitic nematodes, Pathology.

1766-69
THE IMMUNE PHENOMENON.
G F Otto
Amer Vet Med Ass J 154(4):386-387
15 Feb 1969 41.8 AM3
Dirofilaria immitis, Dogs, Immunity, Parasitic nematodes, Vaccines.

1767-69
GEOGRAPHICAL DISTRIBUTION, VECTORS, AND LIFE CYCLE OF DIROFILARIA IMMITIS.
G F Otto
Amer Vet Med Ass J 154(4):370-373
15 Feb 1969 41.8 AM3
Animal disease transmission, Culicidae, Dirofilaria immitis, Dogs, Heart, Insect vectors, Life cycle, Zoogeography.

1768-69
CESTODES OF VERTEBRATES XI. (SP)
N M Palacios L F Barroeta
Rev Iberica Parasitol 27(1-2 JAN-JUN):43-62 REF
Jun 1967 436.8 R32
Cestoda, Fish, Frogs, Taxonomy. English abstract

1769-69
OBSERVATION OF THE MIGRANT LARVA OF TRICHINELLA SPIRALIS IN THE CAPILLARY BLOOD. (SP)
J M Rivera-Pomar D Ribas-Mujal
Rev Iberica Parasitol 27(1-2 JAN-JUN):39-42
Jun 1967 436.8 R32
Capillaries, Electron microscopy, Rats, Trichinella spiralis. English abstract

1770-69
ASSAY OF TETRAMIZOLE, ORALLY AND SUBCUTANEOUSLY, FOR TREATMENT OF GASTRO-INTESTINAL NEMATOIASIS OF SHEEP. (POR)
U F Rocha R G Serra C A da Rocha M de Fm Mendes M S de Campos Et Al
Bol Indus Anim 24(1):111-120
1967 49 R324
Biological assay, Chemical control (nematodes), Nematodiasis, Sheep, Tetramisole. English abstract

1771-69
THE RESIDUAL ACTIVITY OF DISOPHENOL IN THE TREATMENT OF NEMATODIASIS OF OVINE AND BOVINE. (POR)
U F Rocha R G Serra M De F M Mendes C A da Rocha M S de Campos Et Al
Bol Indus Anim 24(1):105-110 REF
1967 49 R324
Cattle, Chemical control (nematodes), Disophenol, Nematodiasis, Sheep. English abstract

1772-69
CELL AND HUMORAL FACTORS OF IMMUNITY IN METASTRONGYLIASIS OF SWINE. (RUS)
V I Tiunov
Helminthologia 7(1/4):261-271
1966 436.8 H36
Cells, Immunity, Immunology, Metastrongylus, Morphology, Nematodes, Swine. English and German summaries.

1773-69
REDESCRIPTION OF TAENIA SOLIUM LINNAEUS, 1758 AND TAENIA SAGINATA GOEZE, 1782.
A Verster
Z Parasitenk 29(4):313-328 REF
1967 442.8 Z33F
Animals, Taenia saginata, Taenia solium, Taxonomy, Zoogeography.

1774-69
INFECTION EXPERIMENTS WITH THE FILARIA OF THE COTTON RAT, LITOMOSOIDES CARINII CHANDLER 1931 (FILARIIDAE) IN INADEQUATE HOSTS. (GE)
P Wenk L Heimhurger
Z Parasitenk 29(3):282-298
1967 442.8 Z33F
Blood parasites, Filariasis, Microfilariae, Rats. English abstract

1775-69
A STUDY ON TOXICITY OF PYRIMETHAMINE FOR CHICKS. (JA)
K Yasuda S Isogai K Suzuki M Homma
Jap J Vet Sci 30(4):241-250, REF
Aug 1968 41.8 J27
Anemia, Chicks, Leucocytozoon caulleryi, Poultry diseases, Pyrimethamine, Toxicology.

COMMODITY PROTECTION

1776-69
FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. CALCIUM PERIODATE.
R E Duggan
Fed Regist 33(249,PT 1):19172
24 Dec 1968 L1.451
Animals, Calcium, Feed, Food, Food additives, Humans, Iodine, Legislation, Periodates, Sodium chloride, Water.

STORAGE DISEASES

1777-69
THE HEAT RESISTANCE OF SALMONELLAE IN EGG ALBUMEN.
J E L Corry E M Barnes
Brit Poultry Sci 9(3):253-260 REF
Jul 1968 47.8 B77
Bacteria, Egg whites, Heat, Hydrogen-ion concentration, Salmonella, Salmonella senftenberg, Salmonella typhimurium, Storage, Temperature.

ARTHROPODS

1778-69
INFESTATION DENSITY OF TRYPODENDRON LINEATUM (OLIVIER) (COLEOPTERA: SCOLYTIDAE) IN RELATION TO FELLING DATE OF LOGS.
E Christiansen T Saether
Norsk Entomol Tidsskr 15(1):28-30 REF
1968 421 N812
Demography, Insect outbreaks, Picea abies, Scolytidae.

The population density of Trypodendron lineatum in Picea abies logs felled between October and June in Norway is discussed. The beetle infestation was greatest in logs felled in October through March.

1779-69
SILVERFISH: A TASTE FOR PAPER.
S Rachesky
Pest Contr 37(1):32
Jan 1969 449.8 EX8
DDT, Insect biology, Insect control, Lepisma saccharina, Life cycle, Paper.

The life cycle, food habits and ecology of the silverfish, Lepisma saccharina, are discussed. Chemical control with DDT is suggested.

1780-69
COCKROACH INSECTICIDES--HOW REPELLENT ARE THEY .
B J Smittle G S Burden W A Banks
Pest Contr 36(11):9-10
Nov 1968 449.8 EX8
Blattella germanica, Chlordane, Diazinon, Insect repellents, Insecticides, Isopropoxyphenyl methylcarbamate, o-, Malathion, Ronnel.

ENVIRONMENTAL CONTAMINATION

1781-69
WATER POLLUTION. 2ND EDITION. (FR)
R Colas
126P REF PARIS, FRANCE, PRESSES UNIVERSITAIRES dE FRANCE
1968 TD420.C6
Economics, Legislation, Organizations, Vocabulary, Water pollution, Water treatment.

1782-69
MERCURY WHICH POISONS THE ENVIRONMENT IN SWEDEN. (SW)
A G Johnels C Edelstam M Olsson T Westermark
Fauna Flora (Uppsala) 63(5) 172-185 REF
Dec 1968 442.8 F27
Aquatic birds, Aquatic insects, Aquatic plants, Fish, Food contamination, Mercury, Poisons, Soil contamination, Water pollution.

1783-69
EFFECTS OF PESTICIDES ON WILDLIFE.
N W Moore
Roy Soc Proc Ser B, Biol Sci 167(1007):128-133 REF
21 Feb 1967 501 L84B
Chlorinated hydrocarbons, DDT, Ecology, Insecticide residues, Wildlife.

1784-69
WILL THE USE OF 2,4,5-T TO CONTROL STREAMSIDE VEGETATION CONTAMINATE PUBLIC WATER SUPPLIES .
I C Reigner W E Sopper R R Johnson
J Forest 66(12):914-918 REF
Dec 1968 99.8 F768
Chemical control (weeds), Herbicide residues, Spraying, T, 2,4,5-, Water pollution, Weed control.

1785-69
PENETRATION AND ACCUMULATION OF FENURON IN FOREST SOILS.
R D Shipman
J Forest 66(12):910-912
Dec 1968 99.8 F768
Biological assay, Fenuron, Forest soils, Herbicide residues, Indicator plants, Soil series.

RESIDUES

1786-69
GALVESTON BAY PESTICIDE STUDY-WATER AND OYSTER SAMPLES ANALYZED FOR PESTICIDE RESIDUES FOLLOWING MOSQUITO CONTROL PROGRAM.
V L Casper
Pest Mont J 1(3):13-15 MAP
Dec 1967 SB951.A1P41
Chemical control (insects), Chromatography, Culicidae, Oysters, Pesticide application, Pesticide residues, Quantitative analysis, Shellfish, Water pollution.

1787-69
RESIDUAL ACTIVITY OF BENZENE HEXACHLORIDE FORMULATIONS ON THE BOVINE COAT.
R Cwilich A Hadani Y Rechav
J Econ Entomol 62(1):1-4 REF
17 Feb 1969 421 J822
Benzene hexachloride, Biological assay, Cattle, Chemical control (pests), Hides, Insect repellents, Insecticide application, Insecticide residues.

1788-69
RESIDUES IN FOOD AND FEED. PESTICIDE RESIDUES IN TOTAL DIET SAMPLES (II).
R E Duggan H C Barry L Y Johnson
Pest Mont J 1(2):2-12
Sep 1967 SB951.A1P41
Chromatography, Diet, Feed, Food, Food analysis, Organic compounds, Pesticide residues, Quantitative analysis, Research.

1789-69
FOOD ADDITIVES PERMITTED IN FEED AND DRINKING WATER OF ANIMALS OR FOR THE TREATMENT OF FOOD-PRODUCING ANIMALS. DIMETHOATE.
R E Duggan
Fed Regist 33(249,PT 1):19171
24 Dec 1968 L1.451
Animals, Dimethoate, Feed, Food additives, Insecticides, Legislation, Lemons, Oranges, Pesticide residues, Water.

1790-69
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. DIMETHOATE.
J K Kirk
Fed Regist 34(5):252
08 Jan 1969 L1.451
Chemicals, Dimethoate, Insecticides, Legislation, Melons, Pesticide residues, Potatoes, Tolerances, Watermelons.

1791-69
NOTICE OF AMENDED FILING OF PETITION REGARDING PESTICIDE CHEMICALS.
J K Kirk
Fed Regist 33(251):19860
27 Dec 1968 L1.451
Agricultural products, Chemicals, Fungicides, Fungus diseases (plants), Legislation, Pentachloronitrobenzene, Pesticide residues, Tolerances.

1792-69
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. 2-CHLORO-1- (2,4,5-TRICHLOROPHENYL) VINYL DIMETHYL PHOSPHATE.
J K Kirk
Fed Regist 34(5):252
08 Jan 1969 L1.451
Apples, Chemicals, Chloro-1-(2,4,5-trichlorophenyl)vinyl dimethyl phosphate, 2-, Insecticides, Legislation, Pesticide residues, Tolerances.

1793-69
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. 3-(P-BROMOPHENYL)-1-METHOXY-1-METHYLUREA.
J K Kirk
Fed Regist 33(251):19801
27 Dec 1968 L1.451
Bromophenyl)-1-methoxy-1-methylurea, 3-(p-, Chemicals, Herbicides, Legislation, Pesticide residues, Potatoes, Tolerances.

1794-69
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. ATRAZINE.
J K Kirk
Fed Regist 33(251):19800-19801
27 Dec 1968 L1.451
Atrazine, Chemicals, Herbicides, Legislation, Meat, Milk, Pesticide residues, Tolerances, Wheat.

1795-69
TOLERANCES AND EXEMPTIONS FROM TOLERANCES FOR PESTICIDE CHEMICALS IN OR ON RAW AGRICULTURAL COMMODITIES. SIMAZINE.
J K Kirk
Fed Regist 33(251):19800
27 Dec 1968 L1.451
Agricultural products, Chemicals, Herbicides, Legislation, Pesticide residues, Simazine, Tolerances.

1796-69
PESTICIDES: PRESENT LEVELS IN FOOD AND POSSIBLE SOURCES OF CONTAMINATION.
D T Lewis
Roy Soc Proc Ser B, Biol Sci 167(1007):89-100 REF
21 Feb 1967 501 L84B
Aldrin, Chlorinated hydrocarbons, Dieldrin, DDT, Food contamination, Insecticide residues, Lindane, Tolerances.

1797-69
CHLORINATED HYDROCARBON PESTICIDE RESIDUES IN OR ON ALFALFA GROWN IN

SOIL WITH A PREVIOUS HISTORY OF ALDRIN AND HEPTACHLOR APPLICATION.
R J Moubry G R Myrdal H P Jensen
Pest Mont J 1(2):13-14
Sep 1967 SB951.A1P41
Aldrin, Alfalfa, Chlorinated hydrocarbons, Chromatography, Heptachlor, Insecticide application, Insecticides, Pesticide residues, Soil analysis, Soil contamination.

1798-69
STEMPHONE, A BIOLOGICALLY ACTIVE YELLOW PIGMENT PRODUCED BY STEMPHYLIUM SARCINAEFORME (CAU.) WILTSHIRE.
P M Scott J W Lawrence
Can J Microbiol 14(9):1015-1016
Sep 1968 448.8 C162
Biological assay, Chick embryos, Fungicides, Pigments, Quinones, Stemphylium sarcinaeforme, Toxicology.

TOXICOLOGY

1799-69
DETERMINATION OF AN ACTIVITY THRESHOLD WITH THE HELP OF STATISTICAL METHODS. (TU)
M S Akman K Ozan
Ankara Univ Vet Fak Dergisi 15(1):41-45
1968 41.9 AN4D
Biological assay, Chemical analysis, Dosage, Drugs, Methodology, Statistical methods. French abstract

1800-69
DDT TOXICITY IN RYE (SECALE SPP.).
J M Jones J D Hayes
Plant Pathol 16(3):139-141
Sep 1967 464.8 P692
DDT, Immunity, Plant biochemistry, Plant breeding, Plant genetics, Plant injuries, Plant protection, Rye, Toxicology.

1801-69
PARAQUAT POISONING TREATED BY FORCED DIURESIS.
F Kerr A R Patel P D R Scott S L Tompsett
Brit Med J 3(5613):290-291 REF
03 Aug 1968 448.8 B77
Diquat, Diuresis, Herbicides, Paraquat, Poisoning, Serum, Toxicity, Urine.

1802-69
METHYLMERCURIC POISONING. (SW)
N E Landell
Fauna Flora (Uppsala) 63(5):199-205
Dec 1968 442.8 F27
Human diseases, Mercury, Poisoning.

1803-69
PARAQUAT POISONING, LUNG TRANSPLANTATION.
H Matthew A Logan M F A Woodruff B Heard
Brit Med J 3(5621):759-763 REF
28 Sep 1968 448.8 B77
Herbicides, Labeling, Lungs, Paraquat, Poisoning, Public health, Respiratory diseases, Toxins.

1804-69
RECOVERY FROM PARAQUAT POISONING.
W I McKean
Brit Med J 3(5613):292
03 Aug 1968 448.8 B77
Hemorrhage, Herbicides, Microscopy, Paraquat, Poisoning, Toxins.

1805-69
PESTICIDE SAFETY: PLAIN OL' GOOD JUDGMENT.
S Rachesky
Pest Contr 37(1):9-10,12
Jan 1969 449.8 EX8
Accident prevention, Arsenic compounds, Chemicals, Pesticides.
Symptoms of pesticidal poisoning in man and related toxicological factors are described. USDA labeling requirements for pesticide packaging are also provided.

1806-69
NOTEWORTHY POISONS WHICH ARE PESTICIDES. (SW)
U Swaren
Fauna Flora (Uppsala) 63(5):206-209
Dec 1968 442.8 F27
Chlorinated hydrocarbons, DDT, Insecticides, Pesticides, Poisons.

1807-69
CHILDHOOD POISONING ACCIDENTS.
H L Verhulst J J Crotty
Jama (J Amer Med Ass) 203(12):1049-1050
18 Mar 1968 448.9 AM37
Accident prevention, Accidents, Children, Pesticides, Poisoning, Surveys, Toxicity.

PLANT PHYSIOLOGY & BIOCHEMISTRY

1808-69
INCREASING THE YIELD OF DRIED FRUIT FROM THE SULTANA WITH GROWTH REGULATORS.
A J Anteliff
Vitis 6(3):288-293
Aug 1967 95.8 V833
Crop yields, Grapes, Plant regulators, Spraying, Trichlorophenoxyacetic acid.

1809-69
EFFECT OF SOIL TEMPERATURE AND NECROSIS INFECTION ON THE CONTENT OF PHENOLIC SUBSTANCES IN POTATO TUBERS. (RUS)
T A Barskaya T Y Korenevskaya
Fiziol Rast 15(6 NOV-DEC):1074-1076 REF
1968 450 F58
Biochemistry, Necrosis, Phenol compounds, Plant diseases, Plant physiology, Potato-tuber, Soil temperature.

1810-69
SOME HISTOLOGICAL EFFECTS OF 2,4,5-TRICHLOROPHENOXYACETIC ACID APPIED TO MATURE APRICOT LEAVES.
M V Bradley J C Crane N Marei
Bot Gaz 129(3):231-238
Sep 1968 450 B652
Apricots, Biochemistry, Leaves, Plant histology, Plant physiology, T, 2,4,5-.

1811-69
EFFECT OF IRON AND MANGANESE ON ENERGY TRANSFORMATIONS IN PLANTS WITH INHIBITED CHLOROPHYLL SYNTHESIS. (RUS)
I A Chernavina T E Krendeleva P S Sverdlova
Fiziol Rast 15(6 NOV-DEC):1008-1014 REF
1968 450 F58
Adenosine triphosphates, Biochemistry, Chlorophylls, Energy, Iron, Manganese, Nutrient solutions (plants), Oats, Plant physiology, Synthesis. Summary in English.

1812-69
HYDROXYPROLINE FORMATION AND ITS RELATION TO AUXIN-INDUCED CELL ELONGATION IN THE AVENA COLEOPTILE.
R Cleland
Plant Physiol 43(10):1625-1630 REF
Oct 1968 450 P692
Actinomycin d, Avena, Cell wall, Hydroxyproline, Plant physiology, Plant regulators, Sugars, Tables (data), Tissue therapy.

1813-69
CCC AS A GROWTH REGULANT OF SOFT WHITE WINTER WHEAT.
W F Crosier
Ass Off Seed Anal Proc 56:113-115
1966 61.9 AS7
Chloroethyl)trimethylammonium chloride, (2-, Fungicides, Plant regulators, Seed germination, Seed treatment, Soil contamination, Wheat.

1814-69
EFFECT OF MOISTURE STRESS ON THE ABSORPTION AND TRANSPORT OF HERBICIDES IN WOODY PLANTS.
F S Davis M G Merkle R W Bovey
Bot Gaz 129(3):183-189 REF
Sep 1968 450 B652
Absorption, Chromatography, Herbicides, Humidity, Picloram, Plant physiology, Plant translocation, T, 2,4,5-, Ulmus alata.

1815-69
CHANGES IN ENZYMATIC ACTIVITIES IN ETIOLATED BEAN SEEDLING LEAVES AFTER A BRIEF ILLUMINATION.
B Filner A O Klein
Plant Physiol 43(10):1587-1596 REF
Oct 1968 450 P692
Beans, Chromoproteins, Deoxyribonucleic acid, Enzymes, Kidney beans, Lighting, Plant physiology, Protein synthesis, Ribonucleic acid, Seedlings.

1816-69
INDUCING ABSCISSION OF OLIVE FRUITS BY SPRAYING WITH ASCORBIC ACID AND IODOACETIC ACID.
H T Hartmann M Fadl J Whisler
Calif Agr 21(7):5-7
Jul 1967 100 C12CAG
Ascorbic acid, Chemicals, Harvesting, Iodoacetic acid, Olives, Plant biochemistry, Spraying.

1817-69
ON THE ACTION OF GIBBERELLIN ON THE CHLOROPHYLL CONTENT IN PLANTS. (RUS)
I A Karahanov
Fiziol Rast 15(6 NOV-DEC):1068-1070 REF
1968 450 F58
Biochemistry, Chlorophylls, Gibberellins, Plant physiology.

1818-69
AN INVESTIGATION OF GROWTH INHIBITORS IN DAMASK ROSE (ROSA DAMASCENA MILL) IN CONNECTION WITH FALLING OF BUDS. (RUS)
D Koseva L D Prusakova
Fiziol Rast 15(6 NOV-DEC):967-971 REF
1968 450 F58
Chromatography, Phenol compounds, Plant biochemistry, Plant growth inhibitors, Plant physiology, Plant regulators, Quercetin, Research, Rosa damascena, Temperature. Summary in English.

1819-69
STUDY ON THE SUCKER CONTROL OF DECAPITATED (TOPPED) TOBACCO PLANTS.
P A Liena P C Pascual P B Leon E A Hurtado
Philippine J Plant Indus 31(4):297-303
1966 25 P543
Crop varieties, Flue-cured tobacco, Growth factors, Maleic hydrazide, Mineral oil, Plant growth inhibitors, Plant protection, Pruning, Tobacco.

1820-69
FACTORS INFLUENCING GROWTH AND MORPHOLOGY OF CANDIDA ALBICANS IN A MARINE ENVIRONMENT.
P P Madri
Bot Mar 11(1-4):31-35 REF
Aug 1968 450 B6582
Aquatic fungi, Candida albicans, Chlamydospores, Deuteromycetes, Fungi, Growth factors, Marine biology, Microscopy, Morphology, Mycelium, Temperature. French, German and Latin summaries.

1821-69
EFFECT OF SIMAZINE ON THE PHOTOSYNTHETIC PIGMENTS OF GREEN ALGAE. (RUS)
L N Paromenskaya G N Lyalin
Fiziol Rast 15(6,NOV-DEC):1002-1007 REF
1968 450 F58
Biochemistry, Carotenes, Chlorophylls, Chlorophyta, Herbicides, Photosynthesis, Pigments (plant), Plant physiology, Simazine, Violaxanthin, Xanthophyll. Summary in English.

1822-69
INOSITOL METABOLISM IN PLANTS. VI. CONVERSION OF MYO-INOSITOL TO PHYTIC ACID IN WOLFFIELLA FLORIDANA.
R M Roberts F Loewus
Plant Physiol 43(10):1710-1716 REF
Oct 1968 450 P692
Aquatic plants, Chromatography, Inositol, Lighting, Phytic acid, Plant metabolism, Plant physiology, Sucrose.

1823-69
EFFECTS OF HERBICIDES ON SEED GERMINATION AND EARLY SEEDLING DEVELOPMENT OF PINUS RESINOSA.
S Sasaki T T Kozlowski
Bot Gaz 129(3):238-246 REF
Sep 1968 450 B652
Herbicides, Pinus resinosa, Plant physiology, Seed germination, Seedlings. Herbicides tested are atrazine, monuron, DCPA, NPA, CDEC, EPTC, CDAA, and 2,4-D.

1824-69
ECOLOGICAL INVESTIGATIONS ON THE INFLUENCE OF TRIAZINE DERIVATIVE SIMAZINE (W 6658) ON SINAPIS ALBA L., (GE)
J Schubert G Weise
Biol Zentralbl 87(5,SEP-OCT):629-645 REF
Oct 1968 442.8 B523
Brassica hirta, Herbicides, Plant ecology, Plant physiology, Simazine. English abstract

1825-69
EFFECT OF GIBBERELLIN (GA) AND MINERAL NUTRITION ON THE GROWTH AND PRODUCTIVITY OF CUCUMBER PLANTS. (RUS)
I A Tagmazian
Fizial Rast 15(6 NOV-DEC):1089-1092
1968 450 F58
Ascorbic acid, Biochemistry, Crop varieties, Cucumbers, Dosage, Fertilizers, Gibberellins, Minerals, Photosynthesis, Plant nutrition, Plant physiology, Productivity, Sugar. English summary.

1826-69
ANNUAL REPORT 1967.
359P REF
1967 65.9 C17
Attractants, Biology, Biophysics, Entomology, Fertility, Gibberellins, Microbiology, Physical chemistry, Physics, Sugarcane.

1827-69
EFFECT OF METABOLIC INHIBITORS ON SYSTEMS INVOLVED IN THE GROWTH OF ELONGATING CELLS DURING ROOT FORMATION. (RUS)
R K Turetskaya V I Kefeli
Fizial Rast 15(6 NOV-DEC):958-966 REF
1968 450 F58
Beans, Cells, Chloramphenicol, Dinitrobutylphenol, Indoleacetic acid, Metabolism, Plant growth inhibitors, Plant physiology, Roots, Sucrose, Wheat. English summary.

1828-69
FOR EARLIER, LARGER BLOOMS; PRODUCING CAMELLIAS WITH VARIOUS SOLUTIONS OF GIBBERELLIC ACID.
W F Wilson
La Agr 12(1,FALL):10-11
1968 100 L939
Ammonia, Ammonium, Biochemistry, Calcium, Camellia, Dimethyl sulfoxide, Gibberellic acid, Plant physiology, Potassium gibberellate, Potassium hydroxide, Sodium bicarbonate, Sodium hydroxide.

CHEMISTRY

1829-69
DESIGNING SYSTEMIC INSECTICIDES.
Agrichem West 12(1):10,12
Jan 1969 381 AG85
Agricultural education, Bidrin, Foliage, Forest conservation, Forest insects, Hydroxy-N-methyl-cis-crotonamide dimethyl phosphate, 3-, Plant physiology, Plants, Systemic insecticides, Tree control.

1830-69
QUANTITATIVE PAPER CHROMATOGRAPHIC ANALYSIS OF THE ORGANOPHOSPHORUS PESTICIDE VUAGT-3 .
V Batora J Kovac M Benusova J Kovacicova
J Chromatography 35(2):277-282 REF
04 Jun 1968 475 J824
Chemistry, Chromatography, Organophosphorus compounds, Pesticides, Quantitative analysis.

1831-69
THE EFFECT OF THE COLUMN SUPPORT MATERIAL ON THE GAS CHROMATOGRAPHIC RESOLUTION OF METHYL PARATHION, ETHYL PARATHION, ETHYL PARAOXON, MALATHION, AND MALAOXON.
A Bevenue J N Ogata H Beckman
J Chromatography 35(1):17-23 REF
21 May 1968 475 J824
Chemistry, Chromatography, Density, Diatomaceous earth, Malathion, Parathion.

1832-69
PEPTIDE ANTIBIOTICS. DO THEY REPRESENT ONLY A FEW OF MANY YET UNDISCOVERED MICROBIAL PEPTIDES .
M Bodanszky D Perlman
Science 163(3865):352-358 REF
24 Jan 1969 470 SCI2
Actinomycins, Agar, Animal diseases, Antibiotics, Biochemistry, Chromatography, Mice, Microorganisms, Penicillin, Peptides, Tyrothricin.

1833-69
RIBONUCLEIC ACID SYNTHESIS AND GLUTAMATE EXCRETION IN ESCHERICHIA COLI.
P Broda
J Bacteriol 96(5):1528-1534 REF
Nov 1968 448.3 J82
Bacteriology, Biochemistry, Cells, Escherichia coli, Excretion, Glutamate, Proteins, Ribonucleic acid, Synthesis.

1834-69
ENRICHMENT OF AUXOTROPHIC MUTANTS OF ASPERGILLUS FLAVUS BY TRITIUM SUICIDE.
J A Donkersloot R I Mateles
J Bacteriol 96(5):1551-1555 REF
Nov 1968 448.3 J82
Aspergillus flavus, Biochemistry, Escherichia coli, Mortality, Mutation, Tritium.

1835-69
INFECTIOUS DRUG RESISTANCE AMONG CLINICALLY ISOLATED ESCHERICHIA COLI.
A C Gunter T W Feary
J Bacteriol 96(5):1556-1561
Nov 1968 448.3 J82
Biochemistry, Escherichia coli, Human diseases, Immunity.

1836-69
THIN-LAYER CHROMATOGRAPHY OF PESTICIDES AND RELATED COMPOUNDS ON FLORISIL.
D J Hamilton B W Simpson
J Chromatography 39(2):186-194 REF
28 Jan 1969 475 J824
Catalogs, Chemistry, Chromatography, Florisil, Pesticides.

1837-69
STUDIES ON THE BIOCIDAL ACTIVITY OF CYANOMETHYL XANTHATES.
H Honda
Tokyo Univ Agr Mem 12:1-15 REF
Mar 1968 S539.J3T6
Chemical compounds, Chemical reactions, Chemicals, Fungicides, Herbicides, Insecticides, Plant physiology, Plant regulators, Research, Tables (data), Xanthic acid compounds. There were 25 compounds prepared in the investigation

1838-69
INTERFERENCE FROM EXTRACTION THIMBLES IN THE GAS CHROMATOGRAPHIC ANALYSIS OF INSECTICIDES.
T G Lamont E Cromartie
J Chromatography 39(3):325-326
11 Feb 1969 475 J824
Chlorinated hydrocarbons, Chromatography, Insecticide residues.

1839-69
POLYAMIDE LAYER CHROMATOGRAPHY OF ORGANOPHOSPHORUS PESTICIDES.
K Nagasawa H Yoshidome
J Chromatography 39(3):282-290 REF
11 Feb 1969 475 J824
Catalogs, Chemistry, Chromatography, Organophosphorus compounds, Pesticides.

1840-69
CHEMICAL ANALYSIS OF THE FUNGICIDAL MIXTURES OF DITHIOCARBAMATES AND COPPER. (POR)
J R Piedade H Yoneda D A Souza
Sao Paulo Inst Biol Arq 35(1,JAN-MAR):23-25
Mar 1968 442.9 SA6
Copper, Dithiocarbamates, Fungicides, Quantitative analysis, Thiocarbamates. English abstract

1841-69
CARBAMATE ESTERS OF 8-QUINOLINOLS.
S Somasekhara D M Desai S L Mukherjee
Cur Sci 37(19):551-552
05 Oct 1968 475 SCI23
Bactericides, Carbamates, Chemistry, Esters, Fungicides, Quinolinol, 8-.

1842-69
THIN-LAYER CHROMATOGRAPHY; RELATIVE MIGRATION DATA (RTDE) OF CHLORINATED PESTICIDES.
E J Thomas J A Burke J H Lawrence
J Chromatography 35(1):119-121
21 May 1968 475 J824
Chemistry, Chlorinated hydrocarbons, Chromatography, Pesticides.

ENGINEERING

1843-69
NITROGEN SUPPLY SYSTEM PREVENTS CONTAMINATION OF CHEMICALS.
Chem Proc 3(4,AUG-SEP):101
1968 TP1.S6
Chemicals, Equipment, Gases, Nitrogen, Purification, Storage.

1844-69
EVALUATION OF SPRAY DEPOSITS FROM LOW VOLUME SPRAY NOZZLES.
L E Bode M R Gebhardt C L Day
Mo Agr Exp Sta Res Bull 936:43P
Mar 1968 100 M693 (3)
Equipment, Mechanization, Nozzles, Spraying.

INDUSTRY

1845-69
MODERN R17,000 PLANT FOR PACKING INSECTICIDES.
Chem Proc 3(4,AUG-SEP):102
1968 TP1.S6
Accident prevention, Containers, Equipment, Health, Industry, Insecticides, Methodology, Packing, Vibration.

ECONOMICS

1846-69
NEW DEVELOPMENTS IN PESTICIDE PACKAGING.
Farm Chem 131(9):70,72
Sep 1968 57.8 AM3
Bags, Containers, Packing, Pesticides, Plastics, Storage.

1847-69
A GOOD YEAR FOR PESTICIDE SALES.
Anonymus
Farm Chem 131(9):56-58
Sep 1968 57.8 AM3
Agricultural economics, Cotton, DDT, Industrial management, Pesticides, Sales.

1848-69
WHAT PESTICIDE FORMULATORS SAY ABOUT PACKAGING.
Anonymus
Farm Chem 131(9):62,66,68
Sep 1968 57.8 AM3
Containers, Marketing, Packing, Pesticides, Storage injuries.

EDUCATION

1849-69
NORTH CAROLINA INITIATES NEMATODE ADVISORY SERVICE.
F A Todd
Farm Chem 131(5):62
May 1968 57.8 AM3
Crop losses, Extension work, Plant nematodes, Plant protection, Root knot, Tobacco.

REGULATIONS

1850-69
BRUCELLOSIS. NOTICE OF PROPOSED RULE MAKING.
R J Anderson
Fed Regist 33(245,PT 1):18706-18707
18 Dec 1968 L1.451
Agricultural legislation, Agricultural regulation, Brucellosis, Cattle, Livestock diseases.

1851-69
VIRUSES, SERUMS, TOXINS AND ANALOGOUS PRODUCTS: ORGANISMS AND VECTORS. LABELS. MISCELLANEOUS AMENDMENTS.
R J Anderson
Fed Regist 34(11,PT 1):610-611
16 Jan 1969 L1.451
Agricultural regulation, Labeling, Legislation, Serum, Toxins, Vaccines, Viruses.

1852-69
THE NEW SEED LEGISLATION AND ITS CONSEQUENCES FOR THE PLANTING OF SEED POTATOES. (GE)
B Arenz
Kartofelbau 19(3):65-68
Mar 1968 75.8 K145
Crop varieties, Import control, International cooperation, Legislation, Plant protection, Seed potatoes, Seeds, Virus diseases (plants).

1853-69
THE PLANT PROTECTION LAW AS A RESPONSIBILITY FOR THE CONTROL OF PLANT PESTS AND DISEASES. (GE)
H A Feldhus
Kartofelbau 19(4):99-100
Apr 1968 75.8 K145
Legislation, Plant disease control, Plant nematodes, Plant pest control, Plant protection, Potatoes.

1854-69
THE NEW PLANT PROTECTION LAW. (GE)
H Fischer
Kartofelbau 19(4):93-94
Apr 1968 75.8 K145
Chemical control (plant diseases), Legislation, Plant pest control, Plant protection, Potatoes.

1855-69
THE PLANT PROTECTION LAW AND ITS RESPONSIBILITY TOWARDS HUMAN HEALTH. (GE)
E Heidenreich
Kartofelbau 19(4):98-99
Apr 1968 75.8 K145
Biological control (weeds), Chemical control (plant diseases), Dosage, Legislation, Plant protection, Public health, Residues, Toxicity.

1856-69
THE PLANT PROTECTION LAW AS A RESPONSIBILITY FOR THE PROTECTION OF LIVING COMMUNITIES. (GE)
A von Horn
Kartofelbau 19(4):96-97
Apr 1968 75.8 K145
Biocenosis, Chemical control (pests), Fungicides, Herbicides, Insecticides, Legislation, Plant protection, Residues.

ABATE
A field evaluation of abate briquettes in woodland pools.
1528

ABDOMEN
Anatomical changes in the neuromuscular complex of the proleg of Galleria mellonella (L.) (Lepidoptera: Pyralididae) during metamorphosis.
1458

Radiographic examination of the heartworm-infected patient.
1751

ABORTION
Abortion in sheep associated with Brucella abortus infection.
1647

Virus abortion in mares and its cause in Germany.
1698

ABSORPTION
Herbicide research and finesse.
1639

Effect of moisture stress on the absorption and transport of herbicides in woody plants.
1814

ACANTHOSCELIDES OBTECTUS
Movements of larvae of Acanthoscelides obtectus Say (Col., Bruchidae). I. The ease of a single layer of grain.
1600

ACARICIDES
Preliminary trial with seven acaricides for the control of mites at the base of pineapple leaves.
1612

ACARINA
Three new species of phytoseiid mites from Western Sudan (Acarina: Phytoseiidae).
1242

Labidostomma nepalese (Nicoletiellidae), a new Asiatic species.
1244

The genus Chirodiscus Trouessart and Neumann with lectotype designation of C. amplexans Trouessart and Neumann (Listrophoroidea: Atopomelidae).
1296

Variability of the photoperiodic reaction in a number of successive generations of spider mites (Acarina).
1461

The effect of Hoe-2910 on ectoparasites of animals.
1723

ACCIDENT PREVENTION
Pesticide safety: Plain ol' good judgment.
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Childhood poisoning accidents.
1807

Modern R17,000 plant for packing insecticides.
1845

ACCIDENTS
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1689

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1807

ACETYLCHOLINE
The synaptic transmission and related phenomena in insects.
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The physiological significance of acetylcholine in insects and observations upon other pharmacologically active substances.
1374

Changes in acetylcholine level during diapause in normal and irradiated pupae.
1402

ACHERONITA ATROPOS
Occurence of Galleria mellonella and Acheronita atropos as honey bee parasites in Iran.
1456

ACIDS
Aerobic and anaerobic metabolism of larval and adult Taenia taeniaeformis: V. Glycogen synthesis, metabolic endproducts, and carbon balances of glucose and glycerol utilization.
1732

ACRIDIDAE
Contribution to the fauna of the Congo (Brazzaville). Mission A. Villiers and A. Descarpentries. LXXVII. Orthoptera: Pyrgomorphidae and Acrididae.
1238

Acridological excursion in El Juncal Valley of the Negro River.
1288

Additional data on some genera and species of Acrididae (Orthoptera, Acridoidea) from the Indo-Malayan region.
1344

The nervous control of insect flight and related behavior.
1491

Sex chromatin of a locust.
1516

ACTINOMYCIN D
Increase of tobacco mosaic local lesion size and virus multiplication in hypersensitive hosts in the presence of actinomycin D.
1574

Hydroxyproline formation and its relation to auxin-induced cell elongation in the Avena coleoptile.
1812

ACTINOMYCINS
Peptide antibiotics. Do they represent only a few of many yet undiscovered microbial peptides.
1832

ACULEATA
Ground inhabiting Aculeata from Dutch and Belgian areas. in 1965 and 1966.
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ACULUS
A new mite, Aculus benakii n. sp. from Olea europea L..
1263

ACYRTHOSIPHON PISUM
Alfalfa variety tests in central California.
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ADELGES PICEAE
Biological control of introduced forest insect pests.
1544

ADENOSINE TRIPHOSPHATES
Effect of iron and manganese on energy transformations in plants with inhibited chlorophyll synthesis.
1811

AEDES
Natural selection and feeding speed in a blood-sucking insect.
1397

The mosquito concentrator.
1434

Tests of the susceptibility of Florida mosquitoes to insecticides, 1967.
1529

Analysis of comparative effects of selected CO2 flow rates on mosquitoes using CDC light traps.
1530

The mosquitoes attracted to turtles.
1716

AEDES AEGYPTI
An automated repellency assay system. I. Statistical methods.
1416

Effect of food and temperature on Aedes aegypti (L.) and Aedes triseriatus (Say) larval development.
1418

White eye, a new sex-linked mutant of Aedes aegypti.
1499

Small-antenna, a sex-linked mutant of Aedes aegypti.
1504

The effectiveness of repellents on cloth as determined by oviposition of Aedes aegypti L..
1527

The role of convection currents in mosquito attraction to human skin.
1535

Experimental studies on the mechanical transmission of chikungunya virus by Aedes aegypti.
1540

AEDES ALBOPICTUS
Neotype designation for Aedes (Stegomyia) albopictus (Skuse). (Diptera: Culicidae).
1267

The use of the forage ratio technique in mosquito host preference studies.
1407

AEDES CANADENSIS
A field evaluation of abate briquettes in woodland pools.
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AEDES NIGROMACULIS
Pasture mosquito resistance in California.
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AEDES SOLLICITANS
Mosquito control in Cape May County through water level stabilization.
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AEDES TRISERIATUS
Effect of food and temperature on Aedes aegypti (L.) and Aedes triseriatus (Say) larval development.
1418

AEGERIIDAE
Induced shift of the diurnal emergence and calling of the peach tree borer.
1412

AEGYPTIANELLA
A contribution to the systematic position of Aegyptianella pullorum Carpano, 1928.
1667

Investigations into the development and the course of infection of Aegyptianella pullorum Carpano, 1928, in chicken.
1668

Development of Aegyptianella pullorum Carpano. 1928, in the soft tick Argas (Persicargas) persicus (Oken, 1818) and transmission.
1717

AERIAL INSECT CONTROL
The use of helicopters in mosquito control in Louisiana.
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AERIAL SPRAYING
The helicopter as an economical sprayer.
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AERODYNAMICS
The nervous control of insect flight and related behavior.
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AEROMONAS SALMONICIDA
Experimental plantings of brook trout (Salvelinus fontinalis) from furunculosis-infected stock.
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AFRICAN HORSE SICKNESS VIRUS
Contribution to the knowledge of the virus of the African horse pest. II. Communication.
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AGAVE
Neolasioptera martelli sp. n., a gall midge injuring Agave in Mexico.
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Ageing and protein synthesis in Drosophila melanogaster.
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The age dynamics of the infestation of cattle by Cysticercus bovis.
1755

AGRICULTURAL ECONOMICS
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The importance of pesticides in British food production
1616

Economic estimation of chemical weed control of sugar beet
1638

A good year for pesticide sales.
1847

AGRICULTURAL EDUCATION
Designing systemic insecticides.
1829

AGRICULTURAL LEGISLATION
Brucellosis. Notice of proposed rule making
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AGRICULTURAL PRODUCTS
Notice of amended filing of petition regarding pesticide chemicals.
1791

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Simazine.
1795

AGRICULTURAL REGULATION
Domestic quarantine notices. Japanese beetle. Regulated areas.
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Domestic quarantine notices. European chafer. Regulated areas.
1618

Domestic quarantine notices. Soybean cyst nematode. Regulated areas.
1626

Brucellosis. Notice of proposed rule making.
1850

Viruses, serums, toxins and analogous products: Organisms and vectors, Labels, Miscellaneous amendments.
1851

AGRICULTURE
Boll weevil; Anthonomus grandis Boh.; abstracts of research publications, 1961-65.
1205

AGROBACTERIUM TUMEFACIENS
On the release of a primary oncogenic substance from the tissues of tobacco crown gall by X-rays.
1557

Extraction, assay and partial purification of a factor from tumorous leaves that promotes crown-gall tumor growth.
1559

On the structure of the abnormal nopaline metabolite in certain Crown gall tumors.
1564

Research on the physiological modifications brought about by the virus of tobacco mosaic in normal and tumor tissue of tobacco grown in vitro .
1581

AGROMYZIDAE
Middle German leaf miner flinds. Part 2.
1208

ALDRIN
Pesticides: Present levels in food and possible sources of contamination.
1796

Chlorinated hydrocarbon pesticide residues in or on alfalfa grown in soil with a previous history of aldrin and heptachlor application.
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ALFALFA
Degradation of alfalfa mosaic virus by pancreatic ribonuclease.
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Analysis of the occurence of nematodes in alfalfa crops. II. Abundance and quantitative relations between species and ecological groups of species
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Analysis of the occurrence of nematodes in alfalfa crops. I. Species composition of nematodes in two alfalfa crops of different age and penetration of species from soil to plants
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ALKALINE PHOSPHATASE
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ALLELES
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Frequency-dependent selection at the esterase 6 locus in Drosophila melanogaster.
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A contribution to the genetic fine structure of the region adjacent to white in Drosophila melanogaster
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More allelism tests in honey bees by compound inseminations.
1522

AMBLYSEIUS
Six new species of mites of the genus Amblyseius (Phytoseiidae) from Pakistan.
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AMERICAN FOULBROOD
In vivo activity of propolis against Bacillus larvae.
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AMINES
Histochemical localization of the soluble amine and aminopeptidase products in the nutrient tissues of the Cecidomyiid galls.
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AMINO ACIDS
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Free amino-acids in healthy and virus-infected chrysanthemum.
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AMINOPEPTIDASE
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AMMONIA
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AMMONIUM
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AMMONIUM COMPOUNDS
Sweetclover-weevil feeding deterrent B: Isolation and identification.
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AMPHIMALLON MAJALIS
Insecticidal dusts against Japanese beetles and European chafers for disinsectization of transport vehicles.
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Studies on Schistosoma nasale Rao, 1933. II Molluscan and mammalian hosts of the blood-fluke.
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Geographical distribution, vectors, and life cycle of Dirofilaria immitis.
1767

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1708

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1627

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1628

Fatty liver and kidney disease in broiler chickens receiving diets with varying contents of protein.
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Inhibitory effect of neutral red on bovine virus diarrheamucosal disease plaque formation.
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Contribution to the occurrence of Aujeszky's virus in clinically healthy porkers from chronically infested pig fattening centres.
1711

VIRUS DISEASES (INSECTS)
Relationships among the polyhedrosis and granulosis viruses of insects.
1360

A virus disease in Chironomus plumosus.
1481

VIRUS DISEASES (PLANTS)
Preparation of non-infectious arbovirus antigens by photodynamic inactivation.
1552

Degradation of alfalfa mosaic virus by pancreatic ribonuclease.
1553

Plant pathology in New Zealand.
1555

Resistance of tomato lines to TMV.
1568

VIRUSES

Localization of tobacco mosaic virus protein in tobacco leaf cells during the early stages of infection.
1572

Increase of tobacco mosaic local lesion size and virus multiplication in hypersensitive hosts in the presence of actinomycin D.
1574

A new virus of celery (Apium graveolens L.).
1575

Research on the physiological modifications brought about by the virus of tobacco mosaic in normal and tumor tissue of tobacco grown in vitro.
1581

In vivo removal of protein from tobacco mosaic virus after inoculation of tobacco leaves. II Some characteristics of the reaction.
1584

Free amino-acids in healthy and virus-infected chrysanthemum.
1587

Grassy shoot disease of sugarcane. II Hot-air therapy.
1588

Membrane feeding and infectivity neutralization used in a serological comparison of potato leaf roll and beet western yellows viruses.
1601

Aphids and the increase of potato leaf roll virus in seed potatoes on the Wolds of the East Riding of Yorkshire.
1604

The overwintering of aphids and viruses on sugar beet seed crops in England, 1963-1966.
1606

The new seed legislation and its consequences for the planting of seed potatoes.
1852

VIRUSES
Hypersensitivity of Nicotiana Xanthi n. c. to virus, temperature, and soluble proteins.
1396

Evidence for the possible existence of two envelope antigenic determinants and corresponding cell receptors for avian tumor viruses.
1651

Viruses, serums, toxins and analogous products: Organisms and vectors. Labels. Miscellaneous amendments.
1851

VISCERA
Localization of Cysticercus bovis in the organs of slightly infested cattle.
1754

VOCABULARY
Water pollution. 2nd edition.
1781

WALLROTHIELLA ARCEUTHOBII
Biological control for dwarf mistletoe.
1631

WATER
Biochemical study of Plodia interpunctella (Hbn.) (Lepidoptera). I. Variations in body weight, dry weight and water content.
1376

Softening of Coleoptera.
1380

A preliminary note on the fauna of water-filled tree-holes.
1420

Why is the Navy concerned with weed control.
1636

Food additives permitted in the feed and drinking water of animals or for the treatment of food-producing animals. Food additives permitted in food for human consumption. Diethylstilbestrol.
1641

Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Calcium periodate.
1776

Food additives permitted in feed and drinking water of animals or for the treatment of food-producing animals. Dimethoate.
1789

WATER POLLUTION
Water pollution. 2nd edition.
1781

Mercury which poisons the environment in Sweden.
1782

Will the use of 2,4,5-T to control streamside vegetation contaminate public water supplies.
1784

Galveston Bay pesticide study - water and oyster samples analyzed for pesticide residues following mosquito control program.
1786

WATER TREATMENT
Water pollution. 2nd edition.
1781

WATERMELONS
Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Dimethoate.
1790

WEATHER
The influence of weather on the activity and behavior of greenhead flies, Tabanus nigrovittatus Macquart and Tabanus lineola Fabricius.
1413

Seasonal dynamics of the invasion extensity of the nematode Syngamus trachea (Montagu, 1811) in breeding turkeys (Meleagris gallopavo f. domestica).
1728

Ecological factors which determine the wild type of trichiniasis west of San Luis and east of Mendoza.
1761

WEED CONTROL
Influence of crop sequence, nitrogen fertilizer and herbicides on weed seed populations in sugar beet fields.
1632

Controlling weeds in carrots.
1635

Why is the Navy concerned with weed control.
1636

Economic estimation of chemical weed control of sugar beet.
1638

Herbicide research and finesse.
1639

Will the use of 2,4,5-T to control streamside vegetation contaminate public water supplies.
1784

WEEDS
Indices of weed-crop interference in Zea mays Linn.
1633

Chemical weed control in strawberry plantations.
1637

WESTERN EQUINE ENCEPHALOMYELITIS VIRUS
Isolation of western equine encephalomyelitis virus from an opossum.
1662

WHEAT
A note on two isolates of Rhizoctonia solani Kuhn from wheat.
1560

Tolerances and exemptions from tolerances for pesticide chemicals in or on raw agricultural commodities. Atrazine.
1794

CCC as a growth regulant of soft white winter wheat.
1813

Effect of metabolic inhibitors on systems involved in the growth of elongating cells during root formation.
1827

WILDLIFE
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1264

Ecological factors which determine the wild type of trichiniasis west of San Luis and east of Mendoza.
1761

Effects of pesticides on wildlife.
1783

WILDLIFE DISEASES
Experimental plantings of brook trout (Salvelinus fontinalis) from furunculosis-infected stock.
1688

WILT
Atkinson, a rootknot and Fusarium wilt resistant tomato variety of the Rutgers class.
1545

Varietal resistance of eggplant to Verticillium wilt.
1562

Record of Verticillium wilt of cotton in Madras state.
1576

Varietal resistance of cotton to Fusarium wilt.
1585

WIND
The soybean cyst nematode threat.
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WINGS (INSECTS)
The nervous control of insect flight and related behavior.
1491

Homeotic wing structure in the loboid-allele ophthalmoptera (ldoph) in Drosophila melanogaster.
1508

WOOD DECAY
Isolation of microorganisms from preservative-treated wood.
1546

WOOD DESTROYING FUNGI
The physiology, inter-relationships and effects on the wood of fungi which attack birch and aspen pulpwood.
1567

X-RAYS
On the release of a primary oncogenic substance from the tissues of tobacco crown gall by X-rays.
1557

XANTHIC ACID COMPOUNDS
Studies on the biocidal activity of cyanomethyl xanthates.
1837

XANTHOPHYLL
Effect of simazine on the photosynthetic pigments of green algae.
1821

ZINC BACITRACIN
Copper sulphate and antibiotics as feed additives for early weaned pigs.
1684

ZOOGEOGRAPHY
Bibliography of the faunistic literature on microlepidoptera for the area of the German Democratic Republic. II.
1203

Description of a new genus of Lasiocampidae and of its holotype. (Lep. Lasioc. Gonometinae).
1207

Middle German leaf miner finds. Part 2.
1208

New taxonomic position of an African chrysomelide. (Col.).
1215

Annotated listing of works on Lepidoptera.
1221

Noctuidae (Lep.). Description of 26 new palearctic species of Noctuidae Trifinae and of a new sub-genus of the subfamily Apatelinae. Contribution no. 160 to the study of Noctuidae Trifinae.
1222

Short notes on Coleoptera VIII.
1223

The revision of the tribe Chalepini of America north of Mexico. II. Genus Chalepus Thunberg (Coleoptera, Chrysomelidae).
1225

Description of Leptothorax monjauzei n. sp. from Algeria. (Hym. Formicidae Myrmicinae).
1226

Contribution to the knowledge of the Palearctic Tineids (Lepidoptera, Tineidae).
1227

A new locality record for Ixodes woodi Bishopp (Acarina: Ixodidae).
1232

Microlepidoptera of the Philippine Islands.
1239

Three new species of phytoseiid mites from Western Sudan (Acarina: Phytoseiidae)
1242

Supplement to the knowledge of the Cyclocephalids (Col., Dynastinae).
1243

Revision of the Epitgini (Col., Tenebridnidae). Part I.
1246

Bibliography of the faunistic literature on microlepidoptera for the area of the German Democratic Republic. I.
1248

A revision of the ground beetles belonging to Scaphinotus, subgenus Brennus (Coleoptera, Carabidae).
1253

Diptera: Empididae, Acalyptratae families and Scatophagidae.
1260

Notes on the arthropod fauna of Spitsbergen II. 9. Mallophaga from Spitsbergen and Bear Island.
1261

Bibionidae (Diptera) of New Guinea.
1262

Discolomidae in museums of Amsterdam.
1269

Hoverflies (Dipt., Syrphidae) from Spitsbergen.
1271

Notes on the Odonata of the Netherlands. Crocothemis erythraea (Brulli, 1832) in the Netherlands (Libellulidae, Sympetrinae).
1273

The systematic position of Orthophrys mexicanum Van Duzee (Hemiptera Heteroptera: Saldidae).
1282

Oligia fasciuncula hispanica, subsp. nov. (Lep., Noctuidae).
1285

Further records of New Jersey aphids (Homoptera: Aphididae).
1286

The genera Athlia Erichson (Col. Scarabaeidae, Sericinae).
1295

The genus Inopus (0Metoponia, Altermetoponia) (Diptera: Stratiomyiade).
1302

New species of horse flies (Diptera, Tabanidae) from palaearetiea.
1306

Calameuta filiformis (Eversm.) a forgotten straw wasp (Hym., Cephid.).
1307

Rare or little known coleophores (Lep. Coleophoridae).
1308

A new synonymy in Hybomitra (Diptera: Tabanidae).
1309

The Aradidae of New Zealand (Hemiptera, Heteroptera). III—THE Aradinae and Calisiinae.
1310

New and mistaken Aphodiinae from all over the world (Col., Scarab.). Part V.
1311

Genera and species of the Dermaptera. 6. Labidurinae, Apachyinae and Allostethinae (Labiduridae).
1314

Coleoptera from northeast Africa. Staphylinidae. (50. Contribution to the knowledge of the Steninae).
1315

Concerning Stenus-type Boheman, including notes on synonymies. Coleoptera, Staphylinidae.
1316

Snellenius in the Neotropical region (Hymenoptera: Braconidae: Microgasterini).
1325

A review of Hadrurus scorpions (Vejovidae).
1328

Nasonovia vannesii n. sp. (Homoptera, Aphididae) on Ribes x cultorum.
1329

A new mosquito record for the United States (Diptera: Culicidae).
1330

Gyrophaena keeni Casey and G. orientalis A. Str. (Col., Staphylinidae).
1332

Studies on Norwegian aphids (Hom., Aphidoidea) I. The subfamily Dactynotinae Borner.
1337

Muscidae (Dipt.) of Spitsbergen.
1338

Distributional notes on Metamasius (Coleoptera: Curculionidae).
1339

Preliminary key for the identification of the nymphs of North European Homoptera Cicadina. I. Delphacidae.
1340

Megeremaeidae, a new family of oribatid mites (Acari: Cryptostigmata).
1345

The effect of day length on geographical races of Pectinophora gossypiella (Saund.) (Lepidoptera, Gelechiidae).
1356

Studies on some land snails injurious to agriculture in U.A.R.
1363

A contribution to the study of the Mediterranean Rhizopulvinariae. (Hom. Coccidae).
1370

A preliminary report of Plusia festata Graeser (Lep., Noctuidae).
1373

Some new information on the Bostrychidae of Africa.
1381

Tetranychus lintearius Dufour, 1832, is a valid species (Acar.) Notulae ad Tetranychidas II.
1388

Further contributions to the knowledge of the distribution and ecology of beetles in central south Norway.
1391

Studies on the fauna of mayflies (Ephemeroptera) in the environs of Cracow.
1398

Further studies on the internal anatomy of the Meloidae. III. The digestive and reproductive systems as bases for tribal designation of Pseudomeloe miniaceomaculata (Blanchard) (Coleoptera: Meloidae).
1403

Oviparous morphs of Lipaphis erysimi (Kaltenbach) in India (Homoptera: Aphididae).
1446

Mode of life and difficulties in the rearing of Scopula umbelaria Hbn. (Lep. Geom.).
1487

Barriers to gene flow in natural populations of grasshoppers. I. The Black Canyon of the Gunnison River and Arphia conspersa.
1523

Forest tree and timber insect pests in the territory of Papua and New Guinea.
1605

Behavior of tobacco budworm larvae on flue-cured tobacco and possibilities of improving the effectiveness of insecticidal treatments applied mechanically for control.
1611

Parasitic and ecological study of the small mammals (insectivores and rodents) of the Allondon valley (Geneva).
1643

Report of five years of epizootiology of the foot-and-mouth disease in the state of Sao Paulo.
1657

A note on the distribution of various types of footand-mouth disease virus in Uttar Pradesh.
1705

Gastrophilus species recorded in equine (horses, donkeys, and mules) from Turkey.
1724

Geographical distribution, vectors, and life cycle of Dirofilaria immitis.
1767

Redescription of Taenia solium Linnaeus, 1758 and Taenia saginata Goeze, 1782.
1773

ZOONOSES

Leptospirosis in pigs: Epidemiology, microbiology and pathology.
1690

Abraham, E V
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1597

Adam, H
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1348

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1349

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1351

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1548

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1209

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1210

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1353

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1647

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1648

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1496

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1354

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1355

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1526

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1649

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1497

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1211

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1498

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1549

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1356

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1808

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1852

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1550

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1551

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1357

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1552

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1527

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1528

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1212

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1650

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1727

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1809

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1728

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1651

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1358

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1359

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1360

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1599

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1213

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1729

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1730

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1362

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1499

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1731

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1363

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1218

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1654

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1832

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1844

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1529

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1364

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1366

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1367

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1368

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1655

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1225

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1657

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1658

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1715

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1556

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1778

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1374

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1375

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1777

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1233

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1622

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1239

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1736

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1382

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1788

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1558

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1504

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1737

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1384

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1559

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1242

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